Video Cassette Recorder

VR1010BP
VR810BPH

Owner's Manual

Important!
Return your Warranty Registration
Card within 10 days. See why inside.

VCR plus+™
3
Cable Box
Control

Let's make things better.

PHILIPS

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

PHILIPS

REGISTRATION NEEDED WITHIN 10 DAYS · PHILIPS · Hurry!

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a PHILIPS product.

Sincerely,

Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these
safety *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

Welcome to your VCR owner's manual.

This manual describes the VR1010BP and the VR810BPH. These models have similar features and appearances; differences between the VR1010BP and VR810BPH are noted when applicable. The menus of the VR1010BP are shown in this manual, and they may differ slightly from the VR810BPH menus. The VR1010BP is illustrated in this book.

This owner's manual has seven sections: Setting Up Your VCR; Description of Controls; Basic Operations; Recording; Playing; Additional Features; and Information You May Need. The instructions explain all of the VCR's features, which are listed below.

Features

- Audio Dubbing
- Automatic Channel Setup
- Automatic Clock Setting
- Automatic Head Cleaner/Head Cleaning Warning
- Blue Background
- Child Lock
- Controller for Cable Box or Direct Broadcast System (DBS)
- Daylight-Savings Time
- Digital Studio Picture Control (DSPC)
- Hi-Fi Stereo Tape Playback
- Index Search
- Multi-Channel Television Sound (MTS) System
- 19 Micron Head
- On-Screen Menus in English, Spanish, or French

- Program Overlap Warning
- Quick Programming
- Record Link
- Remote Control with Capability to Operate TV, Cable Box, and DBS
- Repeat Play
- S-VHS ET and S-VHS Recording (VR1010BP only)
- ShowGuard™-Indefinite Timer Recording Memory
- Skip Search
- SmartPicture™
- Tape Manager
- Turbo Timer
- VCR Plus+ Programming System
- Video Stabilizer

Picture Quality

The S-VHS feature in the VR1010BP provides the best picture quality when the VCR uses S-VHS tapes. Both models have a 19 micron head that provides a better picture when you view tapes recorded in slow speed (SLP).

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.
This VCR, equipped with a High Quality (HQ) System, is compatible with existing Video Home System (VHS) equipment. Philips Consumer Electronics recommends that you use only video cassette tapes that are labelled with the [VHS] mark or the [S VHS] mark. The use of other tapes may result in poor picture quality and excessive deposits on the video heads, which may not be covered by the warranty if damage occurs.

Note to the Cable TV System Installer: This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding – in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

Declaration of Conformity

Model Number: VR1010BP/VR810BPH
Trade Name: Philips
Responsible Party: Philips Consumer Electronics
P.O. Box 14810
Knoxville, TN 37914-1810
(865) 521-4316

The ENERGY STAR® name and logo are registered marks of the U.S. Environmental Protection Agency. As an ENERGY STAR® Partner, Philips Consumer Electronics has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.
SmartPicture and ShowGuard are trademarks of Philips Consumer Electronics.
VCR Plus+ Gold and PlusCode are registered trademarks of Gemstar Development Corporation. The VCR Plus+ system is manufactured under license from Gemstar Development Corporation.
Copyright 2000 Philips Consumer Electronics. All rights reserved.

Helpful Hint

- *Your new product, its packaging, and this manual contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and to minimize the amount that needs to be properly disposed.*
  Your product uses batteries that should not be thrown away when depleted but should be disposed of as small chemical waste. Please find out about the local regulations on disposal of your old products, batteries, manual, and packaging whenever you replace existing equipment.

4 Table of Contents

Setting Up Your VCR

Description of Controls

Basic Operations

Recording

Playing

Additional Features

Information You May Need

Putting Batteries in the Remote Control

1

**To remove the battery compartment lid, push in the tab, then pull up the lid.**

2

Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.

3

Replace the battery compartment lid.
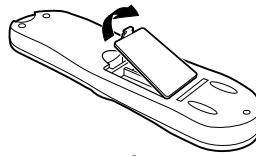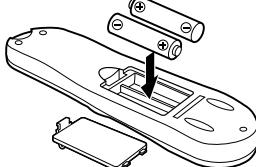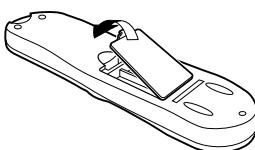
Using the Remote Control
- Do not put objects between the remote control and the VCR.
- Point the remote control at the device you are operating.
- Press the VCR button before pressing other VCR buttons; press the TV button before pressing other TV buttons; press the SAT/CBL/DBS button before pressing other Satellite Receiver/Cable Box/DBS buttons. *Details are on pages 24-27.*

Erase Protection
Video cassettes have record tabs to ensure that recordings are not erased accidentally.

1

To prevent accidental erasure, break off the tab with a screwdriver.
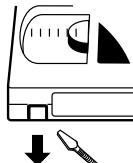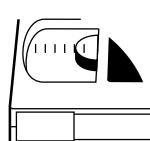
2

To record again, cover the hole with cellophane tape.

VCR Maintenance/Video Head Cleaning
- Remove any light adhesive stick-on notes from the video cassette before putting the cassette in the VCR. Removable labels can jam the VCR.
- Periodic maintenance is required to maintain your VCR's performance. Your VCR automatically cleans the video heads each time you insert a tape. However, the heads may become dirty. "USE CLEANING CASSETTE" may appear on the screen, or "U:01" may appear on the VCR display panel. *Details are on page 79.*

Helpful Hints
- *The remote control and its batteries are supplied.*
- *Do not mix alkaline and manganese batteries.*
- *Do not mix old and new batteries.*
- *A label may protect the front panel of your VCR. Before using the VCR, lift a corner of the label, then peel it off.*

6 *Hookups without a Cable Box*

The basic VCR/TV connection – antenna/cable to VCR to TV – is shown below. If you have a Cable Box or a Direct Broadcast System, please refer to pages 8-9. After you hook up the VCR, please go to pages 10-11 to turn on the VCR. (The VR1010BP is illustrated here. The VR810BPH does not have S-VIDEO IN/OUT jacks.)

1

Disconnect the antenna or cable from your TV.

Antenna
Indoor/Outdoor
(300 ohm)

75Ω
ANT /
CABLE

OR

Cable
(75 ohm)

ANTENNA IN
Jack
(on back of TV)

2

Connect the antenna or cable to the ANTENNA IN Jack on the back of the VCR.

Antenna
Indoor/Outdoor
(300 ohm)

VIDEO

L (MONO)

OUT   IN
S VIDEO

CABLE BOX

ANTENNA IN

CH3   CH4   TV OUT

LP 20917-003

20917-003

VHF/UHF

ANTENNA IN

CH3   CH4   TV OUT

OR

Cable
(75 ohm)

3

Connect the RF coaxial cable (supplied) to the TV OUT Jack on the back of the VCR and to the ANTENNA IN Jack on the TV. (You may use either a snap-on type or screw-on type of coaxial cable, whichever you prefer. A snap-on type is supplied.)

Antenna or Cable

Antenna In Jack (on back of TV) example only

RF coaxial cable
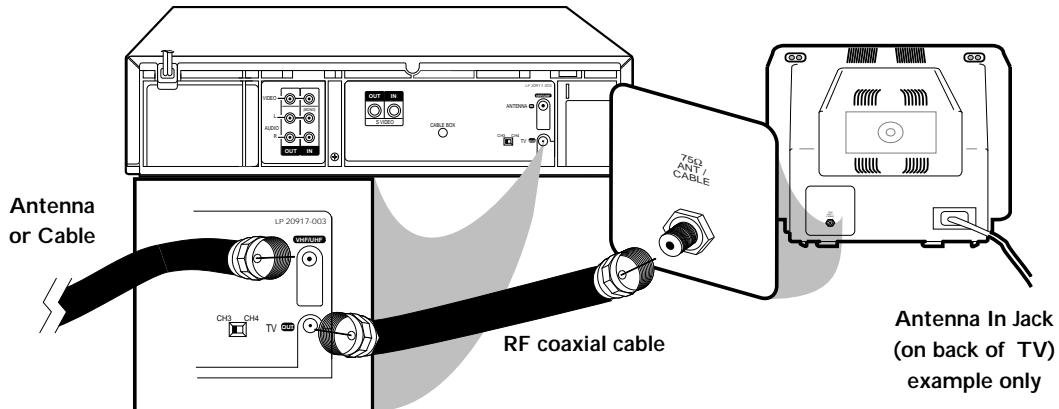
4

Plug in the TV and the VCR.

5

Set the CH3/CH4 switch on the back of the VCR to CH3 or CH4, whichever channel is not used or least used in your area. To operate your VCR with your TV, **set the TV to the same channel.** For example, when playing a tape, if the CH3/CH4 switch is set to CH3, the TV should be on channel 3.

CH 4
or
CH 3

CH3 / CH4
Switch

CH3   CH4
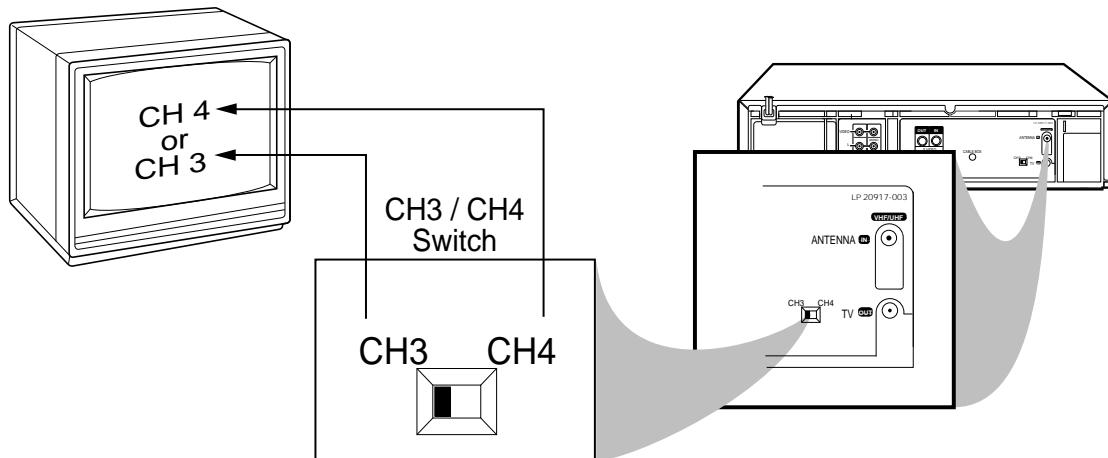
6

You are ready to turn on the VCR. Please go to pages 10-11 before turning on the VCR.

8 Hookups with a Cable Box/Direct Broadcast System

There are two ways to connect your Cable Box/DBS to the VCR. With this connection:
• You may view any channel.
• You must select channels at the Cable Box/DBS. Channels cannot be changed at the VCR.
• You may not view a channel other than the one you are recording.
• You may not set up channels at the VCR.
• You can only program a timer recording for one channel at a time if you are not using the Controller. Set the VCR to the Cable Box/DBS output channel; set the CH3/CH4 switch to CH3 or CH4, whichever channel is not used or least used in your area, and set the TV to the same channel. Set your Cable Box/DBS to the channel you want to record. When you enter the channel you want to record in a timer recording, select the Cable Box/DBS output channel. (This is step 3 on page 40.) Leave the Cable Box/DBS on for a timer recording.
• To set up the Controller, see pages 50-54.

Cable Box/DBS   VCR

1 Cable signal

2 RF coaxial cable

3 RF coaxial cable

TV's ANTENNA IN jack

Connections

1
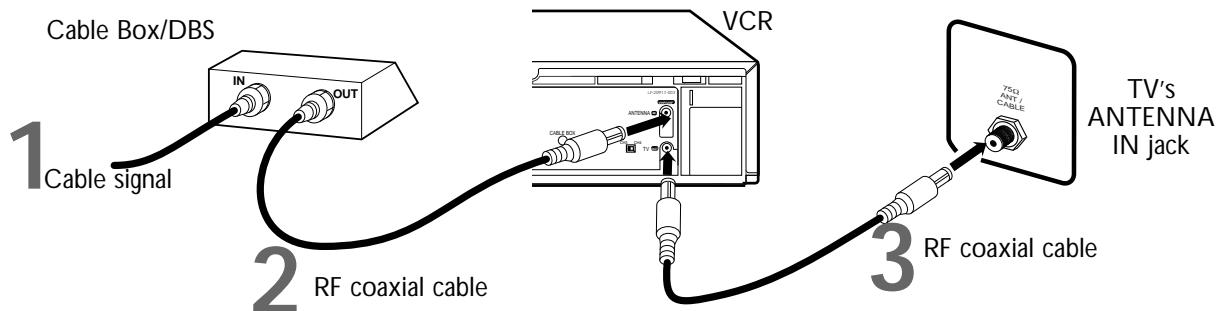
Connect a Cable signal to the IN jack on the Cable Box/DBS.

2

Use an RF coaxial cable (supplied) to connect the OUT jack on the Cable Box/DBS to the ANTENNA IN jack on the VCR.

3

Use a second RF coaxial cable to connect the TV OUT jack on the VCR to the TV's ANTENNA IN jack.

Recording/Viewing Any Channel

1

With the VCR on and in VCR position (the VCR light will appear on the display panel), use the CH(annel) ▲/▼ button to set the VCR to the Cable Box/DBS output channel.

2

Set the TV to the same channel to which you set the VCR. Set the CH3/CH4 switch on the VCR to the same channel.

3

Select the channel you want to view/record at the Cable Box/DBS.

Helpful Hint
• If you are using Record Link, use audio and video cables to connect the AUDIO/VIDEO OUT jacks on the DBS to the AUDIO/VIDEO IN jacks on the back of the VCR. Details are on page 35.

With this connection:
- You may watch one channel while recording another.
- You may not record scrambled channels.

VCR

1 Cable signal

Cable Box/DBS

2 RF coaxial cable

3 RF coaxial cable
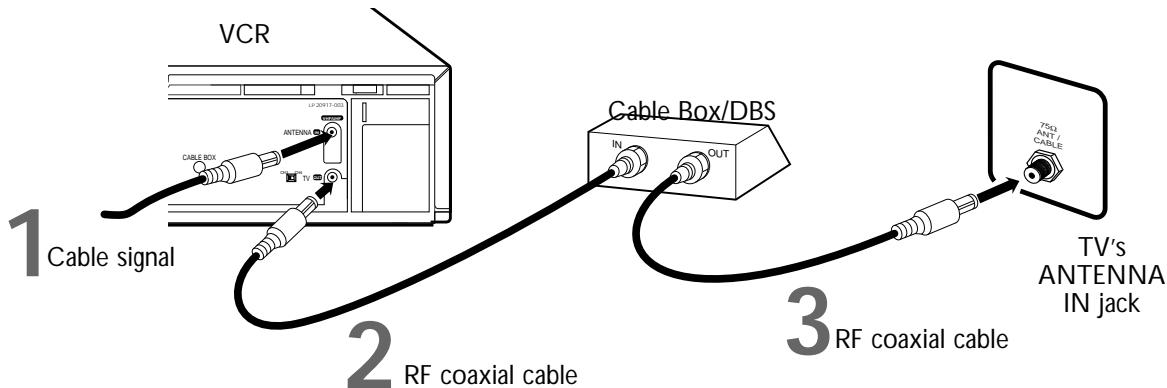
TV's ANTENNA IN jack

Connections

1
Connect a Cable signal to the VCR's ANTENNA IN jack.

2
Use an RF coaxial cable (supplied) to connect the TV OUT jack on the VCR to the IN jack on the Cable Box/DBS.

3
Use a second RF coaxial cable to connect the OUT jack on the Cable Box/DBS to the TV's ANTENNA IN jack.

Recording One Channel/Watching Another

1
Put the Cable Box/DBS on the same channel as the VCR's CH3/CH4 switch. Set the TV to the Cable Box/DBS output channel.
Then, with the VCR in VCR position (the VCR light will appear on the display panel), use the CH(annel) ▲/▼ button to select the channel you want to record at the VCR. Start the recording.

2
Press the VCR/TV button once to put the VCR in TV position. (The VCR light will disappear.)

3
Select the channel you want to watch at the Cable Box/DBS.

| Helpful Hint |
|---|
| • *When you play a tape, make sure the Cable Box/DBS is set to the same channel as the CH3/CH4 switch on the VCR. Set the TV to the Cable Box/DBS output channel.* |

10 Turning on Your VCR

• Before turning on your VCR, make sure there are batteries in the remote control and the VCR, TV, and Cable Box/DBS (if applicable) are connected.
• The menus will appear every time you turn on the VCR until you complete the steps on pages 10-11.
• If you want to set up the Controller now, you must first connect the Controller. *See page 50 before continuing.*
• Leave the Cable Box turned on if you plan to set up the Cable Box Controller now.
• If you plan to set up the Controller now, set the Cable Box to a channel other than channel 09.
• Read through these steps before you begin; the process will be easier if you familiarize yourself with this information before beginning.

1

Press the VCR button, then press the POWER button.

2

Turn on the TV. Set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to (or your Cable Box/DBS output channel, if applicable).
The menu shown below will appear.

```
→  ENGLISH
   ESPAÑOL
   FRANÇAIS


SELECT: ▲▼        CONFIRM: OK
END:  MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select the language of the on-screen displays and menus.

4

Press the OK/STATUS button. The menu shown below will appear.

```
CABLE BOX CONTROLLER
          OFF
→ OFF            CH.=CHANNEL
   ON CH. 2    ON CH. 7
   ON CH. 3    ON CH. 8
   ON CH. 4    ON CH. 9
   ON CH. 5    ON A/V FRONT
   ON CH. 6    ON A/V REAR
SELECT: ▲▼        CONFIRM:OK
END:MENU
```

2 Turn on the TV.

1

3

4
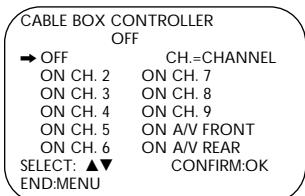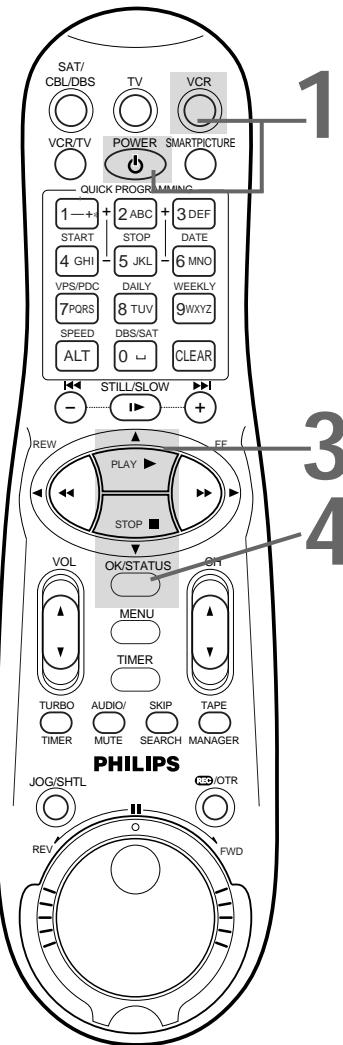
Helpful Hints

• *Auto or – – : – – may appear on the display panel until the clock is set.*
• *If you do not want to set up channels now, press the MENU button at step 6. TUNER NOT SET will appear on the screen briefly.*
• *You may not set up channels at step 6 if you are using a Cable Box/DBS.*

5

If you do not want to set up the Cable Box Controller now, press the OK/STATUS button to leave the Controller turned OFF. The display shown below will appear on the screen. Proceed to step 6. You may set up the Controller later by following the instructions on pages 50-54.
If you do want to set up the Cable Box Controller now, follow steps 5-8 on pages 51-52 now.

```
CONNECT ANTENNA OR CABLE
TO VCR FOR AUTO CH. SET




READY: OK
END:  MENU
```
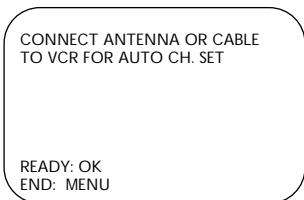
6

If you are not using a Cable Box/DBS, press the OK/STATUS button to begin automatic channel setup.
AUTO CH. SET PROCEEDING PLEASE WAIT will appear on the screen. The VCR will memorize all of the channels you receive, so when you scan through channels using the CH(annel) ▲/▼ button, you'll only scan through channels that you receive.
If you are using a Cable Box/DBS, press the MENU button. (You cannot set up channels if you are using a Cable Box/DBS.)

7

When channels are set up, AUTO CH. SET COMPLETED will appear on the screen briefly.

7

Wait for the VCR to set up channels.

5-6
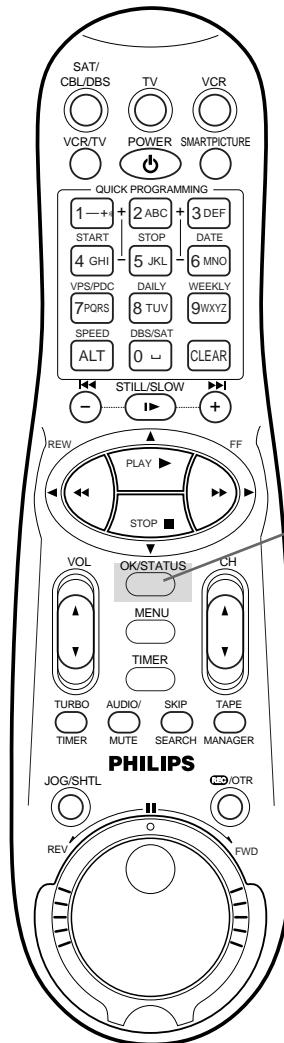
Although your VCR may automatically memorize the channels you receive when you turn it on for the first time, this function lets you set up channels again. Make each entry within one minute of the previous entry.

1

Press the VCR button, then press the MENU button.
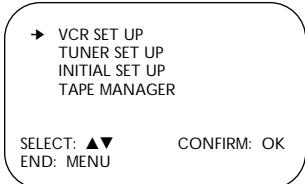
```
 →  VCR SET UP
     TUNER SET UP
     INITIAL SET UP
     TAPE MANAGER


  SELECT: ▲▼         CONFIRM:  OK
  END:  MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select TUNER SET UP, then press the OK/STATUS button.

```
 →  CABLE/ANTENNA     CABLE
     AUTO CH. PROGRAMMING
     ADD/DELETE CH.



  SELECT: ▲▼       CHANGE: '
  END:  MENU
```
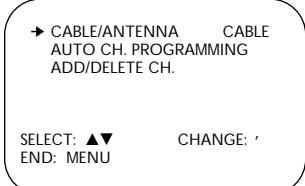
3

Press the FF ► button repeatedly so that ANT (if you have an antenna) or CABLE (if you have a cable connection) appears beside CABLE/ANTENNA.

4

Press the STOP ▼ button to select AUTO CH. PROGRAMMING, then press the OK/STATUS button. AUTO CH. SET PROCEEDING PLEASE WAIT and a scale that shows the progress of channel setup will appear on the screen. The VCR will memorize all the channels you receive.

5

Wait for a few minutes while the VCR sets up channels. When programming is complete, AUTO CH. SET COMPLETED will appear on the screen. Then, the programming of the lowest channel number placed in the VCR's memory will appear on the screen. Now when you press the CH(annel) ▲/▼ button, you will scan only through channels you receive.

5

Wait for the VCR to set up channels.
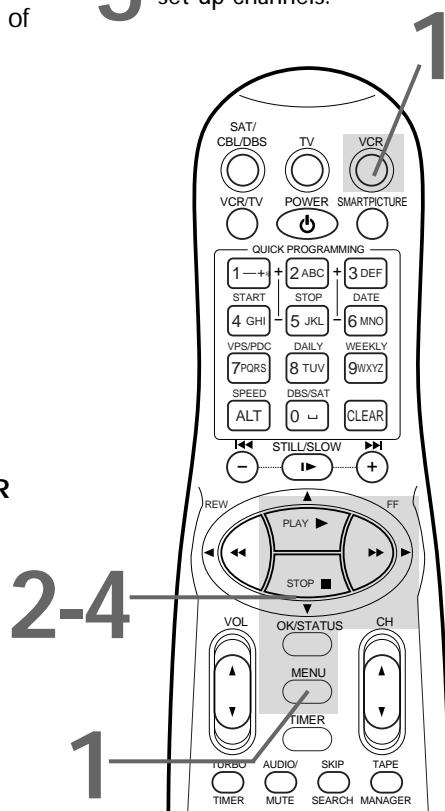
Helpful Hints

- *The two Line Input modes will always be stored in the VCR's memory at channel 00. To select A/V IN FRONT or A/V IN REAR, press 0, 0 so that A/V IN appears briefly, then press the CH(annel) ▲/▼ button so that A/V IN FRONT or A/V IN REAR appears on the screen briefly. To exit Line Input mode, use the CH(annel) ▲/▼ button or the Number buttons to select a channel other than 00.*
- *The VCR may automatically set CABLE or ANT even if you do not select it.*

Adding/Deleting Channels

1

Press the VCR button, then press the MENU button.
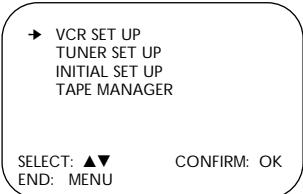
> → VCR SET UP
>   TUNER SET UP
>   INITIAL SET UP
>   TAPE MANAGER
>
> SELECT: ▲▼   CONFIRM: OK
> END: MENU

2

Press the PLAY ▲ or STOP ▼ button to select TUNER SET UP, then press the OK/STATUS button.

> → CABLE/ANTENNA   CABLE
>   AUTO CH. PROGRAMMING
>   ADD/DELETE CH.
>
> SELECT: ▲▼   CHANGE: ►
> END: MENU

3
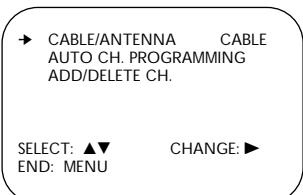
Press the PLAY ▲ or STOP ▼ button to select ADD/DELETE CH., then press the OK/STATUS button.

> 124   DELETED
> 125   DELETED
> 01   - - - -> DELETED
> 02   ADDED
> 03   ADDED
>
> SELECT: ▲▼ OR 0-9
> CHANGE: ►   END: MENU

4
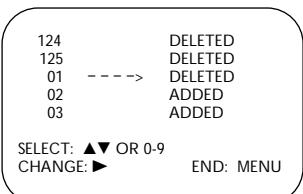
Use the Number buttons, the CH(annel) ▲/▼ button, or the PLAY ▲ or STOP ▼ buttons to select the channel you want to add or delete. An arrow will appear beside the selected channel.

5

Press the FF ► button so that DELETED or ADDED appears beside the channel number.

6

Press the MENU button. Programming of the last channel you added or deleted will appear on the screen.
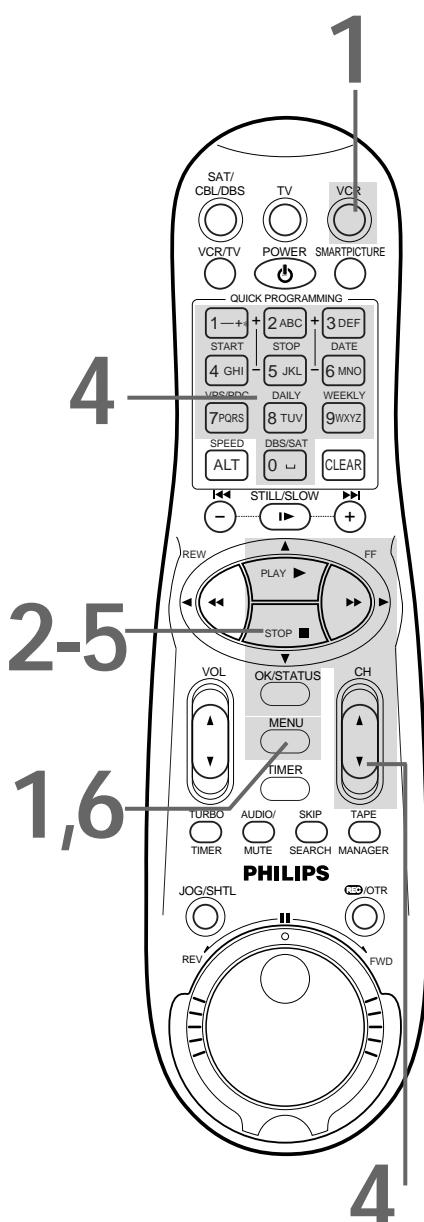
14 Setting the Clock

There are four ways to set the VCR's clock: Manually, with Time Zone Selection, with Manual PBS Channel Selection, or with Automatic PBS Channel Selection. Cable Box/DBS users must set the clock manually. Before you set the clock, make sure:

• The VCR power is on.
• The VCR light appears on the display panel. If it does not, press the VCR/TV button once.
• Channels are set up. *Details are on page 12.*
• You make each entry within one minute of the previous entry.

To set the clock manually, follow the steps on pages 14-15. To use Time Zone Selection, go to page 16. To use Manual PBS Channel Selection, go to page 17. To use Automatic PBS Channel Selection, go to page 18.

Manual Clock Setting

1

Press the VCR button, then press the MENU button.
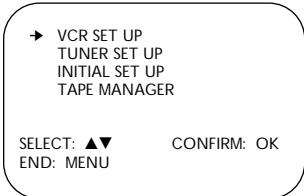
```
 →  VCR SET UP
     TUNER SET UP
     INITIAL SET UP
     TAPE MANAGER


 SELECT: ▲▼         CONFIRM:  OK
 END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

```
 →  CLOCK
     LANGUAGE          ENGLISH
     VCR PLUS+ CH.
     CABLE BOX
     DBS RECEIVER


 SELECT:  ▲▼        CONFIRM:  OK
 END: MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select CLOCK, then press the OK/STATUS button. CABLE BOX USERS SET CLOCK MANUALLY will appear briefly.

```
   TIME        – – : – – AM
   DATE        01/01/00

   AUTO CLOCK ON
   PBS CH.         AUTO
   D.S.T.          AUTO
   TIME ZONE     AUTO
   SET: ▲▼              NEXT:  OK
   END: MENU
```


1

2-3
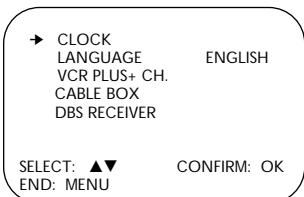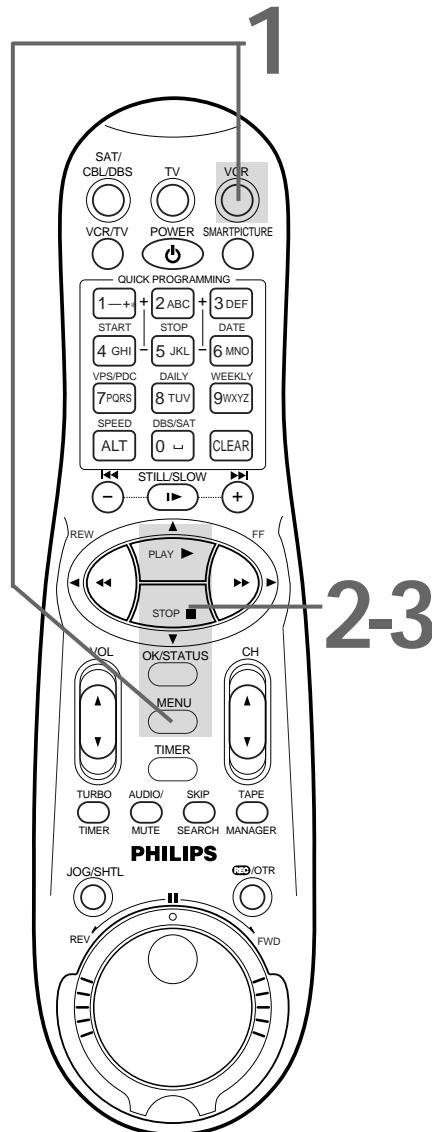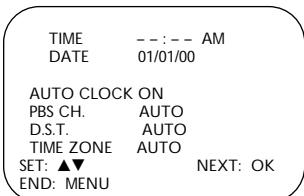
Helpful Hints

• *To program the VCR so its clock will automatically move forward one hour in April and turn back one hour in October, see page 19.*
• *To make corrections, follow steps 1-3, then press the OK/STATUS button until the item you want to correct is flashing. Press the PLAY ▲ or STOP ▼ button to enter the correct information. When you are finished, press the MENU button.*
• *The menu may appear differently at step 3 if you are using a Controller or a Cable Box/DBS.*

4

Press the PLAY ▲ or STOP ▼ button repeatedly to set the TIME. Every time you press the PLAY ▲ or STOP ▼ button, the time changes in one-minute increments. If you press and hold the PLAY ▲ or STOP ▼ button, the time changes in 30-minute increments.
When the time is correct, press the OK/STATUS button.

```
  TIME        10 : 45PM
  DATE        01/01/00

  AUTO CLOCK  OFF

  D.S.T.      ON

SET: ▲▼          NEXT:  OK
END:  MENU
```

5
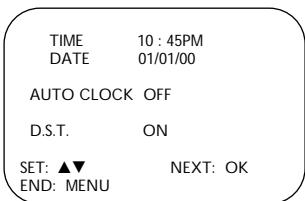
Press the PLAY ▲ or STOP ▼ button repeatedly to set the DATE (month and day). Every time you press the PLAY ▲ or STOP ▼ button, the day changes in one-day increments. If you press and hold the PLAY ▲ or STOP ▼ button, the day changes in 15-day increments.
When the month and day are correct, press the OK/STA-TUS button.

```
  TIME        10 : 45PM
  DATE        06/21/00

  AUTO CLOCK  OFF

  D.S.T.      ON

SET: ▲▼          NEXT:  OK
END:  MENU
```

6
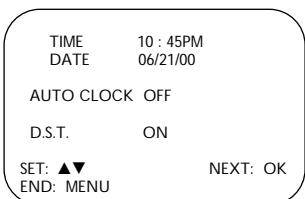
Press the PLAY ▲ or STOP ▼ button repeatedly to set the YEAR. When the year is correct, press the OK/STA-TUS button. The day of the week will appear automatically.

```
  TIME        10 : 45PM
  DATE        06/21/00
              WEDNESDAY
  AUTO CLOCK  OFF

  D.S.T.      ON

SET: ▲▼          NEXT:  OK
END:  MENU
```
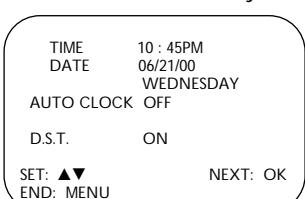
7

Press the OK/STATUS button once again to skip "AUTO CLOCK" and go to "D.S.T." (Daylight Savings Time). Press the PLAY ▲ or STOP ▼ button to set D.S.T. to ON or OFF. If AUTO CLOCK is OFF, you may set D.S.T. to ON or OFF only. For more information, please see page 19.

8

Press the MENU button.

4-7

8
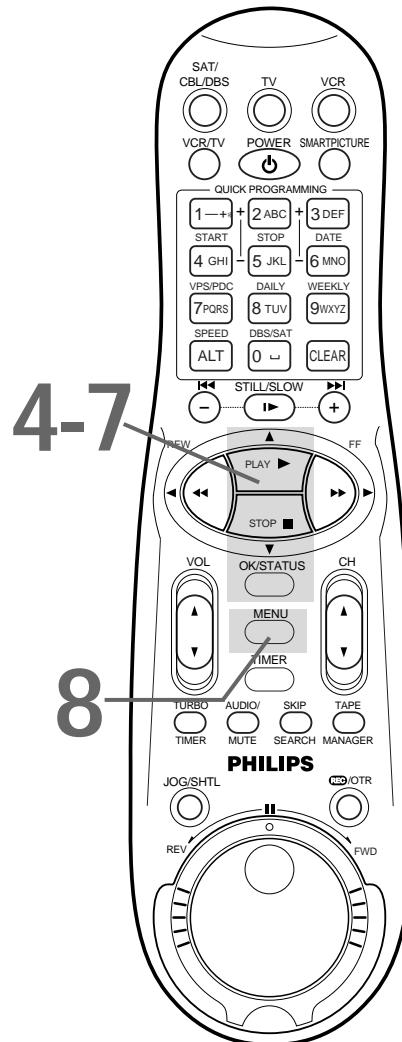
Time Zone Selection

1

Press the VCR button, then press the MENU button.

2

Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

```
 →  CLOCK
    LANGUAGE          ENGLISH
    VCR PLUS+ CH.
    CABLE BOX
    DBS RECEIVER


 SELECT:  ▲▼           CONFIRM:  OK
 END:  MENU
```

3
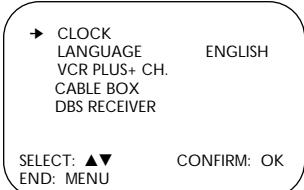
Press the PLAY ▲ or STOP ▼ button to select CLOCK, then press the OK/STATUS button. CABLE BOX USERS SET CLOCK MANUALLY will appear briefly.

(If AUTO CLOCK is set to OFF, TIME ZONE will not be available in the menu. If this happens, press the OK/STATUS button repeatedly to select AUTO CLOCK, then press the PLAY ▲ or STOP ▼ button to set AUTO CLOCK to ON.)

```
    TIME          – – : – – AM
    DATE          01/01/00

    AUTO CLOCK ON
    PBS CH.        AUTO
    D.S.T.         AUTO
    TIME ZONE      AUTO
 SET:  ▲▼                NEXT:  OK
 END: MENU
```

4
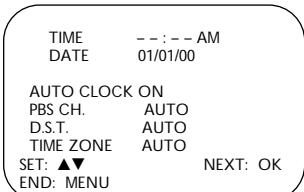
Press the OK/STATUS button repeatedly to select TIME ZONE.

5

Press the PLAY ▲ or STOP ▼ button repeatedly to select your Time Zone, then press the OK/STATUS button.

6

Press the MENU button.

7

An on-screen message will ask you to turn off the VCR. Press the POWER button to turn off the VCR.
Auto will flash in the display panel until the clock is set. Leave the VCR turned off until the time appears on the display panel.
If – – : – – appears on the display panel after you turn off the VCR, the VCR could not find the time. Use a different method to set the clock.
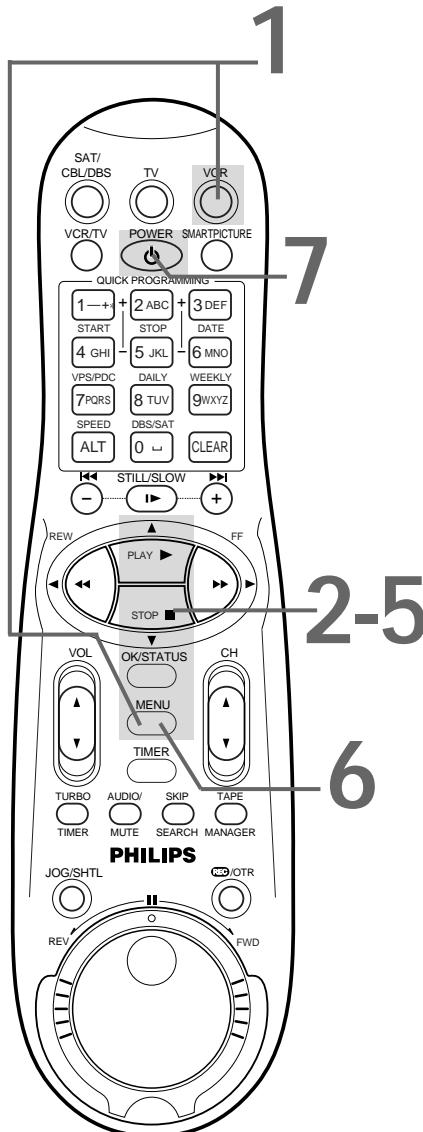
Helpful Hints

- When the power plug is connected to an AC outlet, the correct time will appear on the display panel of the VCR when the power is off.
- Press the OK/STATUS button repeatedly to make the time appear on the display panel when the VCR power is on.

Manual PBS Channel Selection

1

Press the VCR button, then press the MENU button.

2

Press the PLAY ▲ or STOP ▼ button to select **INITIAL SET UP**, then press the **OK/STATUS** button.

3

Press the PLAY ▲ or STOP ▼ button to select **CLOCK, then press the OK/STATUS button.** (If AUTO CLOCK is set to OFF, PBS CH. will not be available in the menu. If this happens, press the OK/STATUS button to select AUTO CLOCK, then press the PLAY ▲ or STOP ▼ button to set AUTO CLOCK to ON.)

```
TIME          – – : – – AM
DATE          01/01/00

AUTO CLOCK ON
PBS CH.          AUTO
D.S.T.           AUTO
TIME ZONE        AUTO
SET: ▲▼                    NEXT: OK
END: MENU
```

4

Press the OK/STATUS button repeatedly to select PBS CH.

5
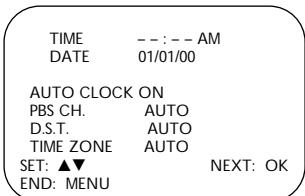
Press the PLAY ▲ or STOP ▼ button repeatedly to select the station number of your PBS channel.

6

Press the MENU button.

7

An on-screen message will ask you to turn off the VCR. Press the POWER button to turn off the VCR.
Auto will flash in the display panel until the clock is set. Leave the VCR power off until the clock is set.
If – – : – – appears on the display panel after you turn off the VCR, the VCR could not find the time. Repeat steps 1-6 above, entering a different PBS channel at step 5. Or, use a different method to set the clock.

Automatic PBS Channel Selection

1
Press the VCR button, then press the MENU button.

2
Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

3
Press the PLAY ▲ or STOP ▼ button to select CLOCK, then press the OK/STATUS button. CABLE BOX USERS SET CLOCK MANUALLY will appear briefly. (If AUTO CLOCK is set to OFF, PBS CH. will not be available in the menu. If this happens, press the OK/STATUS button to select AUTO CLOCK, then press the PLAY ▲ or STOP ▼ button to set AUTO CLOCK to ON.)

```
    TIME        – – : – – AM
    DATE        01/01/00

    AUTO CLOCK ON
    PBS CH.        AUTO
    D.S.T.         AUTO
    TIME ZONE      AUTO
    SET: ▲▼              NEXT:  OK
    END: MENU
```

4
Press the OK/STATUS button repeatedly to select PBS CH.

5
Press the PLAY ▲ or STOP ▼ button repeatedly so that AUTO flashes beside PBS CH.

6
Press the MENU button.

7
An on-screen message will ask you to turn off the VCR. Press the POWER button to turn off the VCR.
Auto will flash in the display panel until the clock is set. Leave the VCR power off until the clock is set. If – – : – – appears on the display panel after you turn off the VCR, the VCR could not find the time. Use a different method to set the clock.
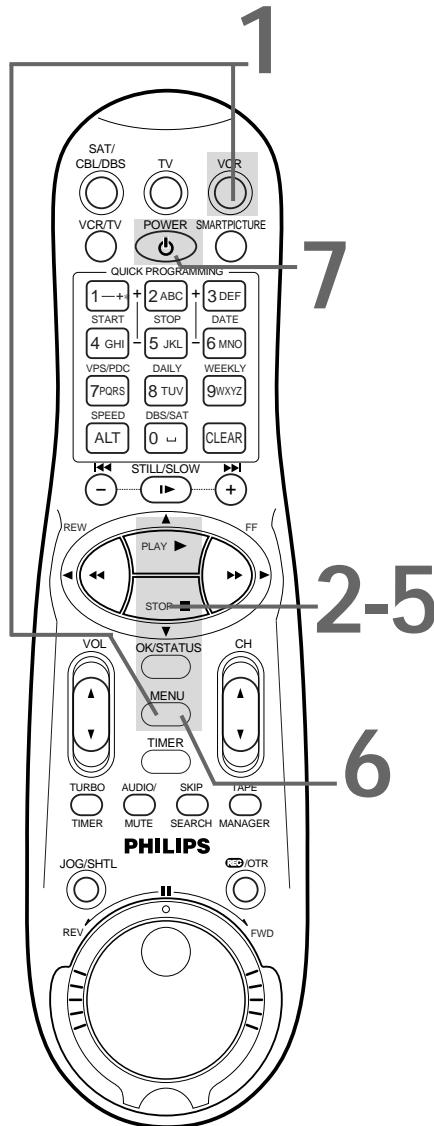
Helpful Hints

- To display the time on the display panel, press the OK/STATUS button repeatedly.
- If you live near the boundary of an adjacent time zone, your PBS channel may come from a different time zone. Use Time Zone Selection to set your clock. Details are on page 16.

Follow the steps below to program the VCR so its clock will move
forward one hour in April and turn back one hour in October.

1

Press the VCR button, then press the MENU button.

2

**Press the PLAY ▲ or STOP ▼ button to select INITIAL
SET UP, then press the OK/STATUS button.**

```
→  CLOCK
   LANGUAGE          ENGLISH
   VCR PLUS+ CH.
   CABLE BOX
   DBS RECEIVER


SELECT:  ▲▼          CONFIRM:  OK
END:  MENU
```

3
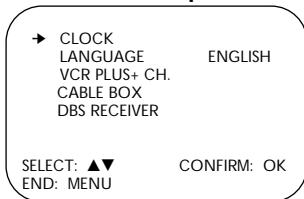
**Press the PLAY ▲ or STOP ▼ button to select CLOCK,
then press the OK/STATUS button.** CABLE BOX USERS SET
CLOCK MANUALLY will appear briefly. (If AUTO CLOCK is set to
OFF, PBS CH. and TIME ZONE will not appear in the menu.)

```
    TIME          10:45AM
    DATE          01/01/00
                  SATURDAY
   AUTO CLOCK ON
   PBS CH.        AUTO
   D.S.T.         AUTO
   TIME ZONE      AUTO
 SET: ▲▼                    NEXT:  OK
 END:  MENU
```

4
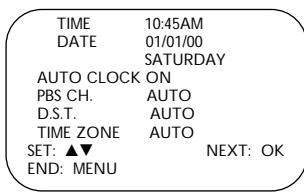
Press the OK/STATUS button repeatedly to select D.S.T.

5

**Press the PLAY ▲ or STOP ▼ button so that ON, OFF, or
AUTO appears beside D.S.T.**
Select ON to make the clock adjust itself according to the VCR's
calendar. Select OFF to turn off the feature. Select AUTO to make
the clock adjust itself according to the signal it receives from the PBS
channel. If AUTO CLOCK is set to OFF, you may only set D.S.T. to
ON or OFF.

6

Press the MENU button.

7

**An on-screen message may ask you to turn off the VCR.
Press the POWER button to turn off the VCR.** Auto will flash
in the display panel until the clock is set. Leave the VCR power off
until the clock is set. If – – : – – appears on the display panel after
you turn off the VCR, the VCR could not find the time. Use a differ-
ent method to set the clock.
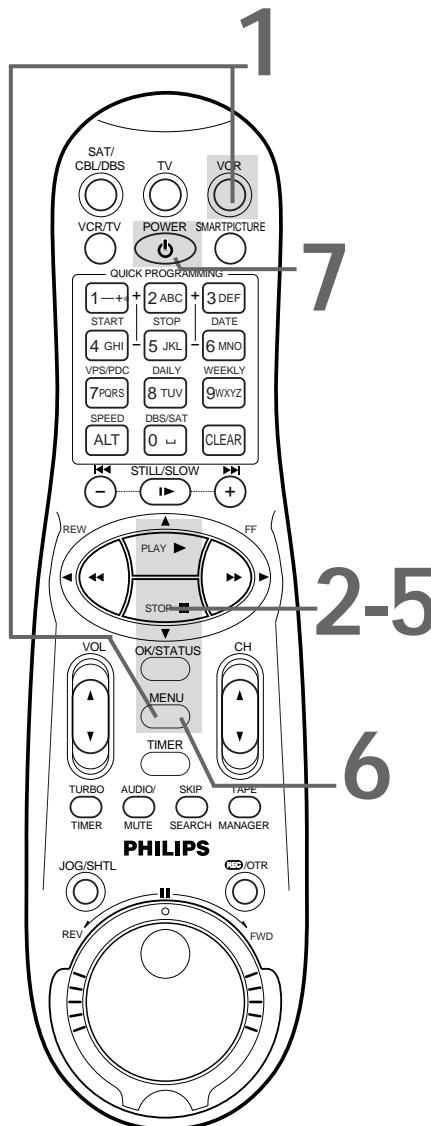
20 Language Selection

Follow the steps below to change the language of the on-screen displays and menus.

1

Press the VCR button, then press the MENU button.
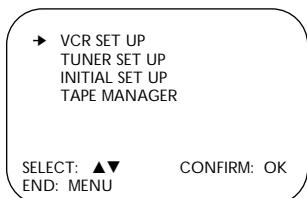
```
→  VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER


SELECT: ▲▼        CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

```
→  CLOCK
   LANGUAGE        ENGLISH
   VCR PLUS+ CH.
   CABLE BOX
   DBS RECEIVER


SELECT: ▲▼        CONFIRM: OK
END: MENU
```

3
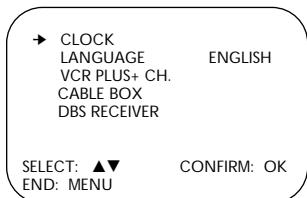
Press the PLAY ▲ or STOP ▼ button to select LAN-GUAGE.

4

Press the FF ► button repeatedly until your preferred language appears.

5

Press the MENU button.
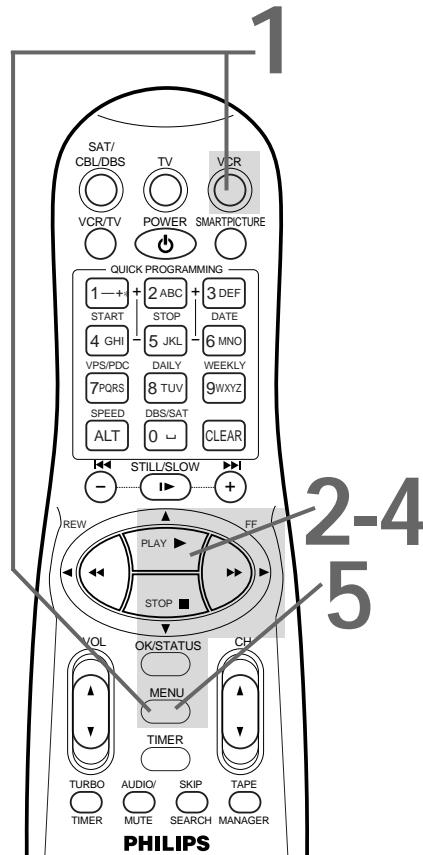
Helpful Hint

- *If you accidentally select Spanish or French and need English, follow these steps.*
  1) Press the VCR button, then press the MENU button.
  2) Press the PLAY ▲ or STOP ▼ button to select SISTEMA INICIAL or PROGRAMM. INITIALE, then press the OK/STATUS button.
  3) Press the PLAY ▲ or STOP ▼ button to select LENGUAJE or LANGUE.
  4) Press the FF ► button repeatedly so that the English menu appears.
  5) Press the MENU button.

VCR Display Panel
Information about VCR operations appears here.
Different information appears at different times. The display is brighter when the VCR power is on. The display dims automatically when you turn off the VCR power.

S-VHS Indicator (VR1010BP only)
Appears while playing a tape recorded in S-VHS or S-VHS ET format, or while recording on an S-VHS tape or in S-VHS ET format.

**Cassette Compartment**
Insert a tape here.

TIMER Light
This light appears when a timer recording is programmed or is in progress. *Details are on pages 38-44.* This light blinks rapidly if the VCR is turned off to set a Timer Recording but a tape is not in the VCR.

Tape Speed Lights
These lights indicate the current tape speed. This VCR will play tapes recorded in LP speed, but LP will not appear on the display panel. This VCR will not record in LP speed. *Details are on pages 41 and 77.*
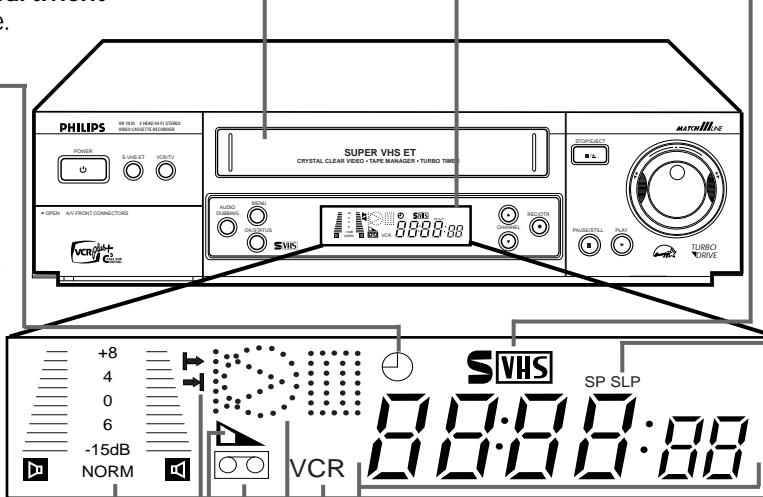
Audio Level indicator
This indicates the audio playback levels. NORM appears only when MONO is selected. *Details are on page 57.*

TURBO TIMER indicators
These indicate the START time and STOP time when you are setting a TURBO TIMER. *Details are on page 44.*

Remaining Tape Time Indicator
This indicates that the remaining tape time currently appears on the display panel. You may need to press the OK/STATUS button to see the information on the display panel.

Cassette-Inside Light
This light appears when a tape is in the VCR. It blinks when a tape is being ejected. This light blinks rapidly if the VCR is turned off to set a Timer Recording but there is not a tape in the VCR.

Operation indicators
These indicators tell you the current operation of the VCR.
$\triangleright$: Play, Forward and Reverse Searching
$\bigcirc$: Record
$\bigcirc$‖: Record Pause
$\triangleright$‖: Still Picture
🔊 : Audio Dubbing
🔊‖ : Audio Dubbing Pause

Clock/Remaining Tape Time/Counter/Channel Display
Each time you press the OK/STATUS button, information on the display panel will change. When tape playback is stopped, press the OK/STATUS button repeatedly to see: the current time (when the clock is set); remaining tape time; the real-time counter; and the current channel number. During tape playback, press the OK/STATUS button repeatedly to see the current time, remaining tape time, or the real-time counter.
If CL is flashing beside the clock when the VCR power is off, Child Lock is activated. *Details are on page 74.*

Line Input Mode
When L-F appears on the display panel, you have selected A/V IN FRONT. Your audio and video (or S-Video, VR1010BP only) cables should be connected to the AUDIO/VIDEO In (or S-VIDEO In, VR1010BP only) jacks on the front of the VCR during dubbing.
When L-1 appears here, you have selected A/V IN REAR. Your audio and video (or S-Video, VR1010BP only) cables should be connected to the AUDIO/VIDEO IN (or S-VIDEO IN, VR1010BP only) jacks on the back of the VCR during dubbing.
To select A/V IN FRONT or A/V IN REAR, press 0, then press the CH(annel) ▲/▼ button so that A/V IN FRONT or A/V IN REAR appears on the screen. Remember to set FRONT A/V INPUT or REAR A/V INPUT to VIDEO or S-VIDEO in the VCR SET UP menu.
To exit Line Input mode, press the Number buttons or the CH(annel) ▲/▼ button to select another channel.
Details are on page 48-49.

TURBO TIMER Mode
Turbo Timer information appears here. *Details are on page 44.*

VCR Light
This light appears when the VCR is in VCR position.

POWER Button
Press to turn the VCR power on and off.

VCR/TV Button
Press to select the signal that your TV receives.
VCR Position:
Use to watch a tape, to watch a program while recording it, or to watch a TV broadcast using the CH(annel) ▲/▼ or Number buttons to change channels at the VCR. The VCR light will appear on the display panel when the VCR is in VCR position.
TV Position:
Use to watch TV (changing channels at the TV) or to watch one program while recording another. *Details are on page 33.* The VCR light will not appear on the display panel when the VCR is in TV position.

** S-VHS ET Button (VR1010BP only)
Press to record in S-VHS ET format, which provides S-VHS picture quality on VHS cassettes. The button will light. *Details are on page 32.*

Remote Sensor
Receives a signal from your remote control so you can operate your VCR from a distance. Press the VCR button on the remote control before pressing other VCR operation buttons.

PAUSE/STILL Button
During tape playback, press once to freeze the picture. Press repeatedly to advance the Still picture frame by frame. During tape playback, press and hold for three seconds to start Slow Motion playback. *Details are on page 62.* During recording, press to temporarily stop the recording. Press again to resume recording. *Details are on page 30.*

STOP/EJECT Button
Press once to stop the tape. When tape playback is stopped, press to eject the tape.

* Flip down the door to access the jacks.

*S-VIDEO In Jack (VR1010BP only)
Use an S-Video cable to connect this jack to the S-Video Out jack of a VCR or camcorder.
*VIDEO In Jack
Use a video cable to connect this jack to the Video Out jack of a VCR or camcorder.
*AUDIO In Jacks
Use audio cables to connect these jacks to the audio out jacks of a VCR, audio system, or camcorder.

AUDIO DUBBING Button
Press to record different audio onto a previously recorded tape. *Details are on page 49.*

OK/STATUS Button
Press to go to the next VCR menu. Press to see the status display. *Details are on page 28.* Press repeatedly to see the remaining tape time, real-time counter, current channel, or the current time on the display panel. *Details are on page 21.*

CHANNEL ▲/▼ Buttons
Press to scan through the VCR's channels. During tape playback, press to manually adjust the tracking. *Details are on page 76.* Press to select an item in the VCR menu.

REC(ord)/OTR Button
Press once to record. *Details are on page 30.* Press repeatedly to start a One-Touch Recording. *Details are on page 34.*

MENU Button
Press to access or remove the VCR menu.

PLAY Button
Press to play a tape. Press to release Slow, Still or Search mode and return to normal playback. *Details are on page 62.*

Jog Dial/Shuttle Ring
Turn the Jog Dial (inner knob) for frame by frame tape playback. Turn the Shuttle Ring (outer knob) in either direction for forward or reverse searching of a tape. *Details are on page 63.* When using the menu, turn the Shuttle Ring to the right to change the setting of a menu item, or turn to the left to return to a previous menu.

** The VR810BPH does not have an S-VHS ET button on the front panel. Instead, it has a TAPE MANAGER button. *Details are on pages 64-73.*

ANTENNA IN Jack

Connect your antenna or cable here. *Details are on pages 6-9.*

CABLE BOX Jack

Connect the Controller here. You may use the Controller with either a Cable Box or DBS receiver. *Details are on pages 50-54.*

VIDEO IN Jack

Connect a video cable coming from the VIDEO OUT jack of a camcorder, a Cable Box/DBS, or another VCR here. *Details are on pages 35 and 48.*

VIDEO OUT Jack

Connect a video cable going to the VIDEO IN jack of a camcorder or another VCR here. *Details are on pages 48 and 56.*

VIDEO

L

(MONO)

AUDIO

R

OUT   IN

OUT   IN

S-VIDEO

CABLE BOX

LP 20917-003

VHF/UHF

ANTENNA IN

CH3 CH4

TV OUT
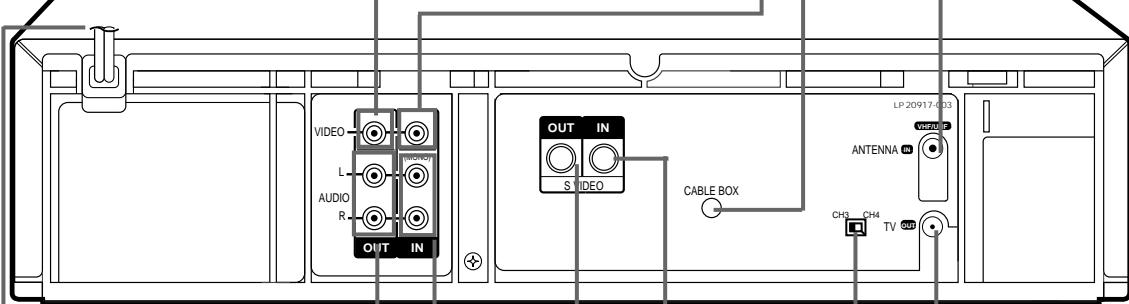
AUDIO OUT Jacks

Connect audio cables going to the AUDIO IN jacks of a camcorder, another VCR, or an audio system here. *Details are on pages 48 and 56.*

AUDIO IN Jacks

Connect audio cables coming from the AUDIO OUT jacks of a camcorder, another VCR, a Cable Box/DBS, or an audio source here. *Details are on pages 35 and 48-49.*

S-VIDEO OUT Jack (VR1010BP only)

Connect an S-Video cable going to the S-VIDEO In jack of a TV here. You may use S-Video connections instead of the standard RCA-style video (yellow) connections. S-Video connections provide a better picture.

S-VIDEO IN Jack (VR1010BP only)

Connect an S-Video cable coming from the S-VIDEO OUT jack of another VCR, DVD Player, or video source here.

AC Power Cord

Connect to a wall outlet (120V) to supply power to the VCR.

TV OUT Jack

Use the supplied RF coaxial cable to connect this jack to the ANTENNA IN Jack on your TV or to the IN Jack on your Cable Box/DBS (if applicable). *Details are on pages 6-9.*

CH3/CH4 Switch

Set to channel 3 or 4 to use your TV with your VCR. Set your TV to the same channel. *Details are on pages 6-9.*

TV Button
Press this button before pressing other TV operation buttons.

PLAY ▲ Button
Press to play a tape. Also, press to release Slow, Still, or Search mode and to return to normal playback. *Details are on page 62.* Press to select an item in the VCR menu.
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press this button to select an item in the TV menu.

REW(ind)◄ Button
When tape playback is stopped, press to rewind the tape at high speed. During tape playback, press to rewind the tape while the picture stays on the screen. *Details are on page 62.* When operating the VCR, press to return to a previous menu.
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press this button to adjust an item in the TV menu.

VOL(ume) ▲/▼ Button
Press to increase or decrease the TV's volume.

OK/STATUS Button
Press to go to the next VCR menu. Press to see the status display for five seconds. *Details are on page 28.* When tape playback is stopped, press repeatedly to see the current channel, current time, remaining tape time, or real-time counter on the display panel. During tape playback, press repeatedly to see the current time, remaining tape time, or real-time counter on the display panel.
For some PHILIPS and PHILIPS MAG-NAVOX TVs only:
Press the TV button, then press this button to access the TV on-screen displays or to exit the TV menu.
For some other manufacturers' TVs or Cable Box/DBS:
After pressing the TV or SAT/CBL/DBS button, the OK/STA-TUS button will function as an ENTER button at the TV or Cable Box/DBS.

Helpful Hint
• *The buttons that are shaded in the illustration will glow in the dark.*
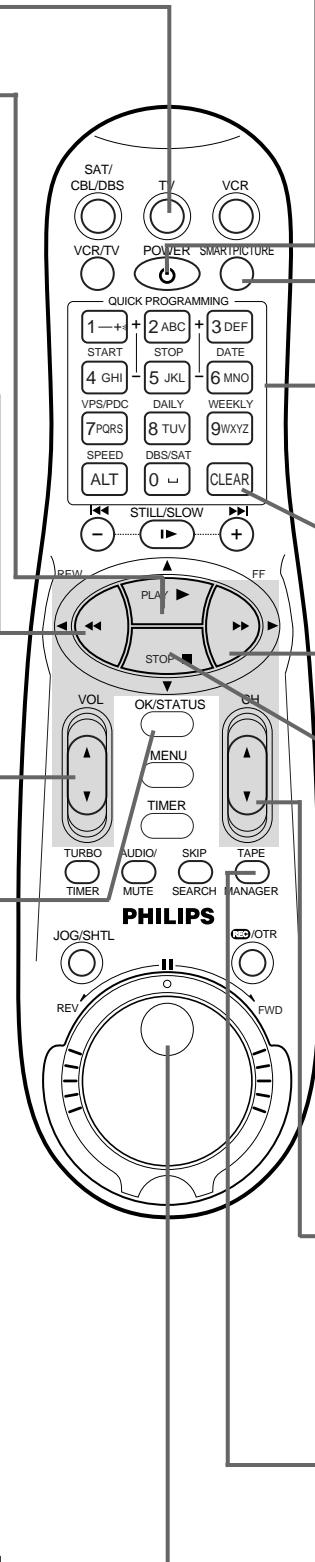
POWER Button
After pressing the SAT/CBL/DBS, VCR, or TV button, press to turn on or off the Satellite Receiver/Cable Box/DBS, VCR, or TV. Press and hold to set Child Lock. *Details are on page 74.*

SMARTPICTURE Button
Press to select the SmartPicture mode. *Details are on page 59.*

Number Buttons
After pressing the SAT/CBL/DBS, TV, or VCR button, press to select a channel at the Satellite Receiver/Cable Box/DBS, TV, or VCR.
Press to enter characters in the "EDIT TITLE" screen. *Details are on page 67.*

CLEAR Button
Press to reset the real-time counter to zero.

FF ► Button
When tape playback is stopped, press to advance the tape at high speed. During tape playback, press to advance the tape while the picture stays on the screen. *Details are on page 62.* Press to change the setting of a VCR menu item.
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press this button to adjust an item in the TV menu.

STOP ▼ Button
Press to stop the tape. Press to select an item in the VCR menu.
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press this button to select an item in the TV menu.

CH(annel) ▲/▼ Button
After pressing the SAT/CBL/DBS, TV, or VCR button, press to scan through the channels of the Satellite Receiver/Cable Box/DBS, TV, or VCR. Press to adjust the tracking during normal or slow motion playback.

TAPE MANAGER
Press when using the Tape Manager. *Details are on pages 64-73.*

Jog dial
Turn this dial for frame by frame tape playback. The tape moves backward or forward frame by frame at the speed with which the dial is turned. *Details are on page 63.*

SAT/CBL/DBS Button
Press this button before pressing Satellite Receiver/Cable Box/DBS operation buttons.

VCR/TV Button
After pressing the VCR button, press this button to select the signal that your TV receives.
• VCR Position
Use to watch a tape, to watch a program while recording it, or to watch a TV broadcast using the CH(annel) ▲/▼ or Number buttons to change channels at the VCR. The VCR light will appear on the display panel when the VCR is in VCR position.
• TV Position
Use to watch TV (selecting channels at the TV) or to watch one program while recording another. *Details are on page 33.* The VCR light will not appear when the VCR is in TV position.
After pressing the TV button, press this button to select TV mode or Auxiliary mode at some televisions.

ALT(ernate) (Channel)/ SPEED Button
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press to go back to the previously selected channel on the TV.
After pressing the VCR button, press to select the recording speed (SP or SLP). *Details are on pages 41 and 77.*

TURBO TIMER Button
Press to set a timer recording using Turbo Timer. *Details are on page 44.*

MENU Button
Press to access the main VCR menu. Press again to remove the menu.
For some PHILIPS or PHILIPS MAG-NAVOX TVs only:
After pressing the TV button, press this button to access the TV menu.

JOG/SHTL (Shuttle) Button
Press to use the Jog Dial or the Shuttle Ring on the remote control. The button will light for one minute. You may operate the jog dial or shuttle ring on the remote control only when the JOG/SHTL button is lit. *Details are on page 63.*

REC(ord)/OTR Button
Press once to start a recording. *Details are on page 30.* Or, press repeatedly to start a One-Touch Recording. *Details are on page 34.*
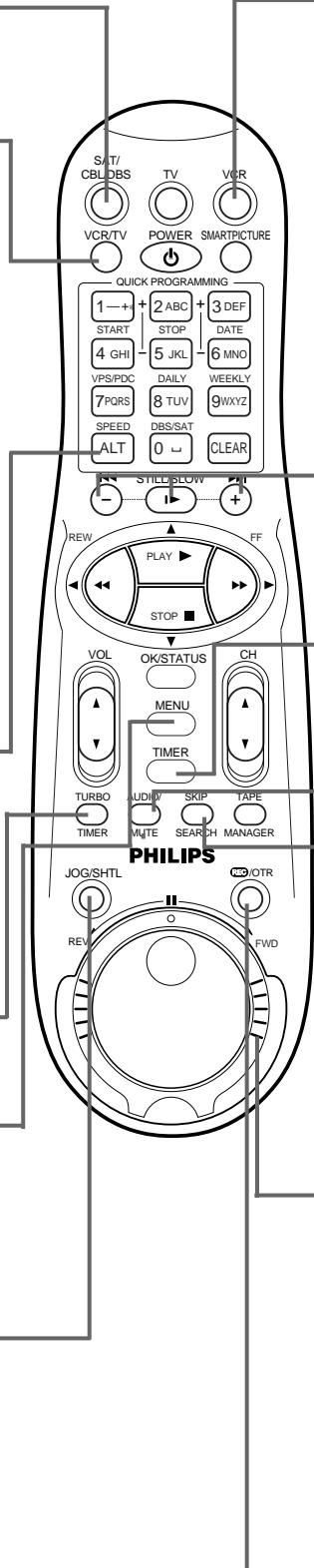
VCR Button
Press this button before pressing VCR operation buttons.

STILL/SLOW Buttons/INDEX SEARCH Buttons
While recording, press STILL/SLOW I▶ to temporarily stop the recording. Press a second time to resume normal recording. *Details are on page 30.* During tape playback, press STILL/SLOW I▶ once to freeze the picture. Press repeatedly to advance the Still picture frame by frame. *Details are on page 62.* During tape playback, press and hold STILL/SLOW I▶ for more than three seconds to play the tape in slow motion. *Details are on page 62.* When tape playback is stopped or during tape playback, press the INDEX I◀◀/▶▶I buttons to search for index codes recorded on the tape. *Details are on page 61.*

TIMER Button
Press to access the timer recording menu. *Details are on pages 38-43 and 45.*

AUDIO/MUTE Button
Press the TV button, then press the AUDIO/MUTE button to eliminate the TV's sound. Press again to restore the sound. Or, press the VCR button, then press the AUDIO/MUTE button to select MONO or HIFI. *Details are on page 57.*

SKIP SEARCH Button
Press during tape playback to fast forward 30 seconds of a tape. This feature will only work with tape segments recorded in SP or SLP speed. *Details are on page 61.*

Shuttle Ring
Turn this ring in either direction for forward or reverse searching of a tape. The farther the ring is rotated, the faster the search speed. Releasing the ring stops the picture in the Still mode. *Details are on page 63.*

Helpful Hint

• *This remote control may or may not operate your TV or Satellite Receiver/Cable Box/DBS. Or, it may only work some features of this equipment. Details are on pages 26-27.*

26 *Setting the Remote Control to Operate a TV*

• •

Your VCR remote control may operate your TV. Follow these
steps to set the remote control code.

1

**Point the remote control at your TV. Press the TV but-
ton, then press the POWER button.** If your TV turns on or
off, try the CH(annel) ▲/▼ button. If your remote control oper-
ates the TV, you're finished. If your TV doesn't turn on or off, or
if the CH(annel) ▲/▼ button doesn't work, go to step 2.

2

**Find the brand of your TV on the list below, and remem-
ber the two-digit number beside it.**

| TV CODES	
EMERSON 14	RCA 10
GOLDSTAR (LG) 04	SAMSUNG 18
HITACHI 12	SANYO 11
JVC 05	SHARP 16
MAGNAVOX 01, 02, 03	SONY 09
MITSUBISHI 13	TOSHIBA 08
PANASONIC 07, 17	ZENITH 06, 15
PHILIPS 01, 02, 03	
PHILIPS MAGNAVOX	
. . . . .01, 02, 03	

3

**While you press and hold the TV button, press two
Number buttons to enter the two-digit code for your TV.**
For example, if you have a Zenith TV, press Number buttons 0, 6.
**Then, still holding the TV button, press the STOP ▼ but-
ton.** Release all the buttons. Your TV may turn on or off auto-
matically.

4

Repeat step 1.
If the remote control works your TV, you're finished. If the
remote control still doesn't work your TV, repeat steps 2-3, using
a different code for your brand (if available).

2 Find the code for your TV.

1,4
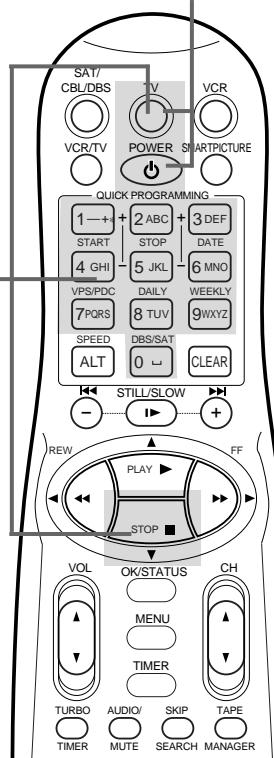
3

Helpful Hints

• *If you had to program the remote
control to operate your TV, whenev-
er you replace the batteries in the
remote control, you will have to pro-
gram the remote control again.*
• *There is no guarantee that the
remote control will work your TV.*
• *The remote control may only oper-
ate some features of your TV.*
• *Write down your code so you will
have it for future reference.*

Your VCR remote control may operate your Cable Box/DBS.
Follow these steps to set the remote control code.

1

Turn on your Satellite Receiver/Cable Box/DBS.
Point the remote control at your Cable Box/DBS. Press the
SAT/CBL/DBS button, then press the POWER button. If
your Cable Box/DBS turns off, turn on the power again and try the
CH(annel) ▲/▼ button. If the remote control operates the Cable
Box/DBS, you're finished. If your Cable Box/DBS does not turn off,
or if the CH(annel) ▲/▼ button doesn't work, go to step 2.

2

Find the brand of your Cable Box/DBS on the list below
and remember the two-digit number beside it.

CABLE BOX/DBS CODES

|	
ARCHER 01, 05, 17	REGAL 10, 18, 19, 23
CABLETENNA 01, 17	REGENCY 19
CABLEVIEW 15, 16, 17, 21, 25	REMBRANDT 01, 16, 17
CITIZEN . . .15, 16, 17, 21, 25	SAMSUNG 05, 16, 24
CURTIS 02, 08	SCIENTIFIC ATLANTA 02, 08
DIAMOND 01, 17	SIGMA 07, 20
EASTERN 19	SL MARX . .05, 16, 17, 24, 25
GC BRAND 15, 16, 17, 21, 25	SPRUCER 13, 14
GEMINI 15	STARGATE . . .05, 15, 16, 17,
GENERAL INSTRUMENTS	. . . . 21, 24, 25
. . . . . . .01, 04, 06, 11, 12, 15	TELEVIEW 05, 16, 24
HAMLIN 10, 18, 19, 23	TOCOM 01, 04, 16
JASCO 15	UNIKA 01, 17
JERROLD	UNIVERSAL 16, 17, 25
. . . . . . .01, 04, 06, 11, 12, 15	VIDEOWAY 03, 09, 22
NOVAVISION 02, 08	ZENITH 03, 09, 22
OAK 07, 20	
PANASONIC 13, 14	MAGNAVOX DBS 42, 43
PULSAR . . .15, 16, 17, 21, 25	RCA DBS 40
RCA 13, 14	SONY DBS 41

3

While you press and hold the SAT/CBL/DBS button, press
two Number buttons to enter the two-digit code for your
Cable Box/DBS. For example, if you have a Zenith Cable Box,
press Number buttons 0, 3. **Then, still pressing the SAT/**
CBL/DBS button, press the STOP ▼ button. The Cable
Box/DBS might turn off automatically.

4

Repeat step 1. If the remote control still does not work your
Cable Box/DBS, repeat steps 2-3 using a different code for your
brand, if available.

2

Find the code for your
Satellite Receiver/Cable
Box/DBS.
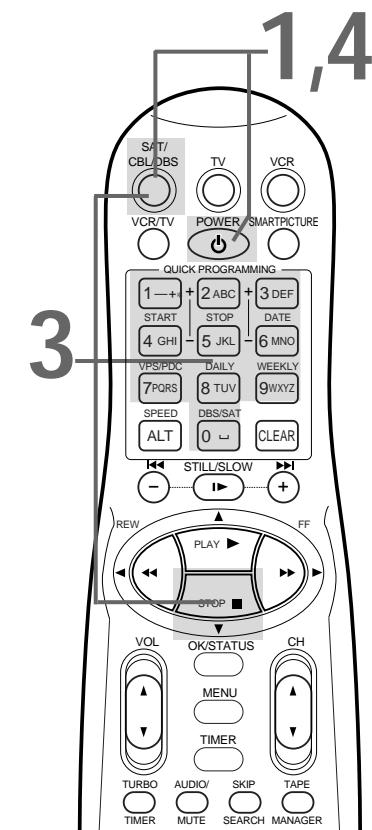
Helpful Hints

- *If you had to program the remote
  control to operate your Cable
  Box/DBS, whenever you replace the
  batteries in the remote control, you
  may have to program the remote
  control again.*
- *Write down your code so you will
  have it for future reference.*
- *The remote control may only operate
  some features of your Cable
  Box/DBS.*
- *Some Cable Boxes/DBSs can only be
  turned on at the Cable Box/DBS.*
- *There is no guarantee that the
  remote control will operate your
  Cable Box/DBS.*

An on-screen status display will appear when you press the OK/STATUS button or certain function buttons. The contents of the status display will vary; the status display describes the current operations of the VCR.

ON SCREEN MODE ON:

• Whenever you press the PLAY ▲ button or the STOP ▼ button, some of the contents of the status display will appear for five seconds.

ON SCREEN MODE COUNTER:

• The real-time counter will appear on the screen during normal tape playback and when playback is stopped. Whenever you press the PLAY ▲ button or the STOP ▼ button, some of the contents of the status display will appear for five seconds. After five seconds, only the counter will remain on the screen.

ON SCREEN MODE OFF:

• No status display will appear when you press function buttons or the OK/STATUS button. (Information about the current tape position will still appear during rewinding or fast forwarding.)

To select a status display mode, follow these steps.
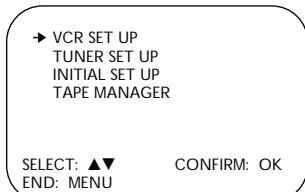
1

Press the VCR button, then press the MENU button.

```
→ VCR SET UP
  TUNER SET UP
  INITIAL SET UP
  TAPE MANAGER


SELECT: ▲▼        CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
→ DSPC                 ON
  ON SCREEN MODE       ON
  BLUE BACKGROUND      ON
  TIMER REC SPEED      MANUAL
  VIDEO STABILIZER     OFF
  AUDIO OUT            HIFI
  NEXT PAGE
SELECT: ▲▼        CHANGE: ′
END: MENU
```

3
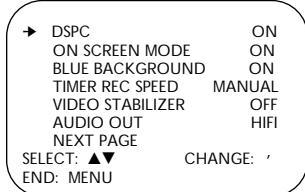
Press the PLAY ▲ or STOP ▼ button to select ON SCREEN MODE.

4

Press the FF ► button repeatedly so that ON, COUNTER, or OFF appears beside ON SCREEN MODE.

5

Press the MENU button.

Sound program available

Current VCR operation

```
REW              12:00 PM  — Time
STEREO           CH. 12    — Channel
SAP
            SHARP
 B———+—5—+———+———E

REMAINING
TIME      0:59
SLP      0:00:00  HIFI
```

Tape speed

Sound program selected

Real-time counter

Tape time remaining

SmartPicture setting
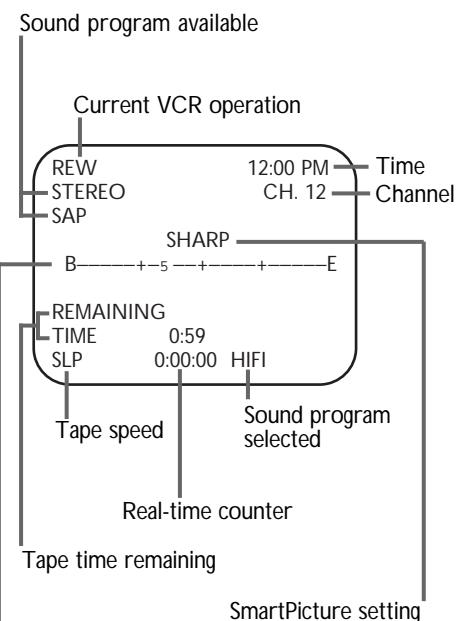
Current tape position
(B is the beginning of the tape; E is the end of the tape. A flashing square indicates where you are on the tape during fast forwarding or rewinding.)

Read and follow the steps below to play a tape.

1

Turn on the TV and set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

2

Insert a tape in the VCR. The power will come on. The VCR will place itself in VCR position automatically (the VCR light will appear on the display panel of the VCR). If the VCR light does not appear, press the VCR button, then press the VCR/TV button once. If the tape's record tab has been removed, playback will start automatically.

3

If playback does not start automatically, press the VCR button, then press the PLAY ▲ button. The ▷ light will appear on the VCR display panel.

4

Press the STOP ▼ button to stop playback.

5

Press the REW(ind)◄ button to rewind the tape.

6

When the tape has finished rewinding, press the STOP/EJECT button on the front of the VCR to remove the tape.

1 Turn on the TV.

2 Insert a tape.
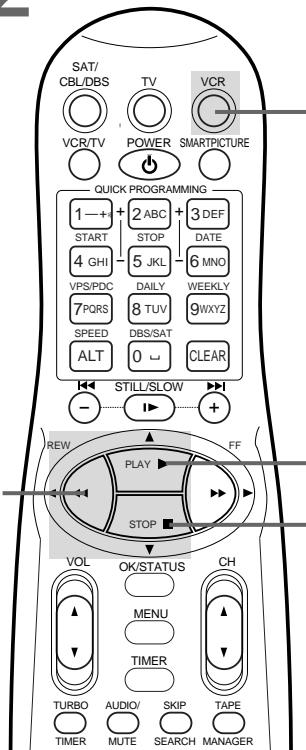
Helpful Hints

- *Playback options and features are on pages 55-63.*
- *This VCR is also equipped with Digital Studio Picture Control, which provides the highest possible recording and playback picture quality. "DSPC" may flash on the display panel after PLAY ▲ is pressed. Details are on page 60.*
- *The tape position indicator appears on the screen during rewinding or fast forwarding. Details are on page 28.*
- *When you insert a tape, tape manager information may appear and the VCR may search for tape manager information. To avoid this brief delay, set TAPE MANAGER to OFF. Details are on page 73.*

Read and follow the steps below to record a television program.

1

Turn on the TV and set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

2

Insert a tape with its record tab intact (details are on page 5) in the VCR. The power will come on.

3

Press the VCR button.

4

If the VCR light appears on the display panel of the VCR, go to step 5. **If the VCR light does not appear, press the VCR/TV button once.**

5

Press the ALT/SPEED button until the desired tape speed appears on the screen. The VCR will only record in SP or SLP. *Details about tape speed are on pages 41 and 77.*

6

Use the CH(annel) ▲/▼ button or the Number buttons to select the channel to be recorded.

7

Press the REC(ord)/OTR button to start recording. The ○ light will appear on the VCR display panel. If no tape is in the VCR, NO CASSETTE will appear on the screen briefly.

8

To pause the recording (for example, during commercials), press the STILL/SLOW ▮► button. The ○▯▯ light will appear on the display panel.
To resume recording, press the STILL/SLOW ▮► button again. The ○ light will appear on the display panel.

9

Press the STOP ▼ button to stop recording. The ○ light will disappear from the display panel.

10

Press the STOP/ EJECT button on the front of the VCR to remove the tape.

1 Turn on the TV.

2 Insert a tape.
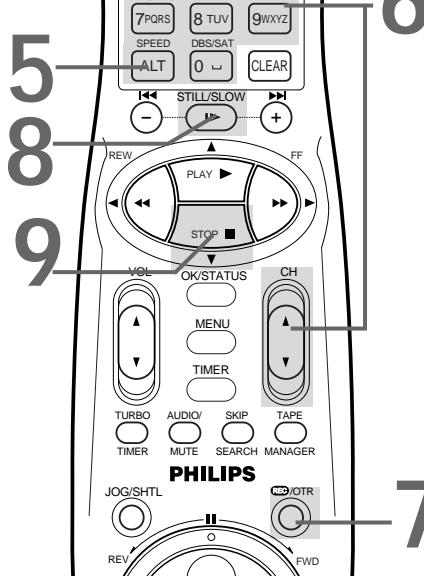
Helpful Hints

- *If the REC(ord)/OTR button is pressed while a tape without a record tab is in the VCR, PROTECTED CASSETTE CANNOT RECORD will appear on the screen briefly. The VCR will eject the tape.*
- *The VCR records in a preset volume.*
- *If the end of the tape is reached while recording, the VCR will stop recording, rewind the tape, then stop. Details are on page 76.*
- *DSPC may appear briefly on the display panel when you start a recording. Details are on page 60.*
- *Tape Manager information may appear when you eject the tape after recording. Details are on pages 64-73.*

When shipped from the factory, the VR1010BP was set to automatically select S-VHS format for recording on an S-VHS tape, and VHS format for recording on a VHS tape. If you want to make a recording using VHS format on an S-VHS tape, follow the steps below.

1

Press the VCR button, then press the MENU button.

```
➔ VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER


SELECT: ▲▼          CONFIRM:  OK
END:  MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button. The first page of the VCR SET UP menu will appear.

```
➔ DSPC                    ON
   ON SCREEN MODE         ON
   BLUE BACKGROUND        ON
   TIMER REC SPEED        MANUAL
   VIDEO STABILIZER       OFF
   AUDIO OUT              HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE:  ►
END:  MENU
```

3

Press the STOP ▼ button repeatedly so that the second page of the VCR SET UP menu appears.

```
   PREVIOUS PAGE
➔ STEREO/SAP              STEREO
   AUTO DBS
     RECORD LINK          OFF
   S-VHS MODE             ON
   FRONT A/V INPUT        VIDEO
   REAR A/V INPUT         VIDEO

SELECT: ▲▼          CHANGE:  ►
END:  MENU
```

4

Press the STOP ▼ button repeatedly to select S-VHS MODE on the second page of the VCR SET UP menu, then press the FF ► button. Each time you press the FF ► button, the setting changes to ON or OFF.

• ON: The VCR automatically selects S-VHS format when recording on an S-VHS tape.
• OFF: Allows you to record in VHS format on an S-VHS tape.

```
   PREVIOUS PAGE
   STEREO/SAP             STEREO
   AUTO DBS
     RECORD LINK          OFF
➔ S-VHS MODE             ON
   FRONT A/V INPUT        VIDEO
   REAR A/V INPUT         VIDEO

SELECT: ▲▼          CHANGE:  ►
END:  MENU
```

5

Press the MENU button.
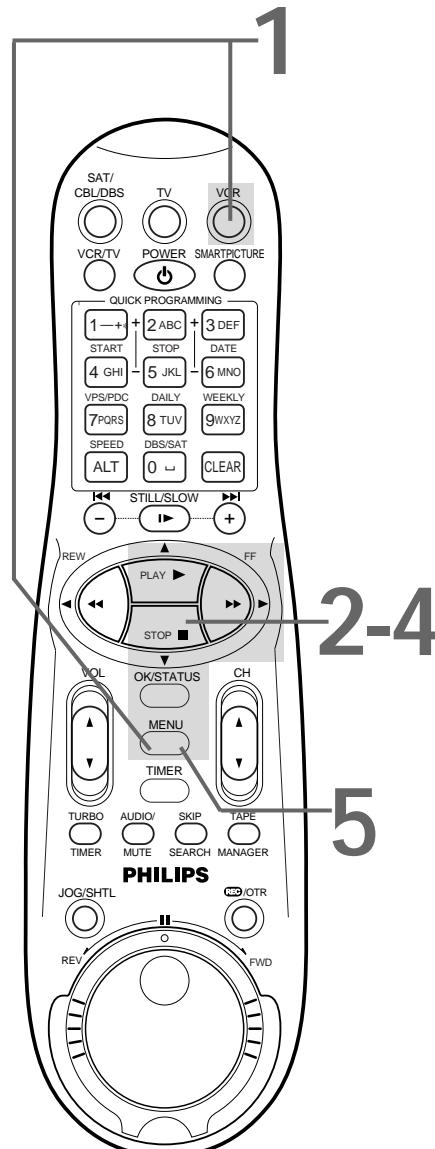
32 S-VHS ET (VR1010BP only)

The VR1010BP allows recording in Super VHS ET (Expansion Technology). You can play back those cassettes recorded in S-VHS ET on a VCR equipped with S-VHS ET. You can record with S-VHS picture quality on VHS cassettes.

1

Before you begin the recording, press the S-VHS ET button on the front of the VCR so that the button lights.
When the button is lit, recordings will be in S-VHS format.

1,3   **2**
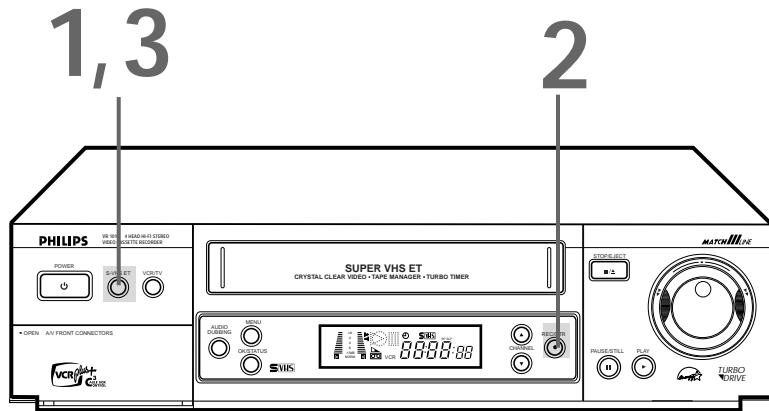
2

Press the REC/OTR button to start recording the current channel. The S-VHS ET button has no effect once the recording has begun.

3

When recording is finished, press the S-VHS ET button again to cancel S-VHS ET recording.

Helpful Hints

- *Pressing the S-VHS ET button has no effect on an S-VHS tape.*
- *To obtain the highest quality recording and to play pictures over a longer period, S-VHS recording on S-VHS tape is recommended.*
- *Label S-VHS ET recordings so you can easily distinguish them from regular VHS recordings.*
- *S-VHS ET recordings can be played on an S-VHS VCR or a VHS VCR equipped with SQPB (S-VHS QUASI PLAYBACK). However, there may be cases where S-VHS ET playback is not possible on a particular VCR.*
- *Frequent still, frame-by-frame, and slow motion playback may damage the tape and cause the picture quality to decline.*
- *With some tapes, better picture quality may not be obtained even with S-VHS ET recording. Test a recording first to make sure better results can be obtained.*
- *Use high grade tapes for good results.*

1

Press the VCR button.

2

Press the REC(ord)/OTR button to start a recording of the current channel. *Details are on page 30.*

3

Press the VCR/TV button to put the VCR in TV position. The VCR light will disappear from the display panel.

4

Use the TV remote control to select the channel you want to watch at the TV. Or, if the VCR remote control operates your TV, press the TV button, then use the CH(annel) ▲/▼ button to select the channel you want to watch at the TV. (Point the remote control at the TV when operating the TV.)
The channel selected with the TV controls will appear on the screen while the channel you previously selected to record is being recorded. (The ○ light will appear on the display panel.)

5

To return to the channel being recorded, use the TV remote control to select channel 03 or 04 (whichever channel the CH3/CH4 switch on the back of the VCR is set to).
Or, if the VCR remote control operates your TV, press the TV button, then use the CH(annel) ▲/▼ button to select channel 03 or 04. (Point the remote control at the TV when operating the TV.)

6

Press the VCR button.

7

Press the VCR/TV button to put the VCR in VCR position. (The VCR light will appear on the display panel.) The channel being recorded will appear on the screen.

8

To stop the recording, press the STOP ▼ button.

3,7   **1,6**

4,5

8

2
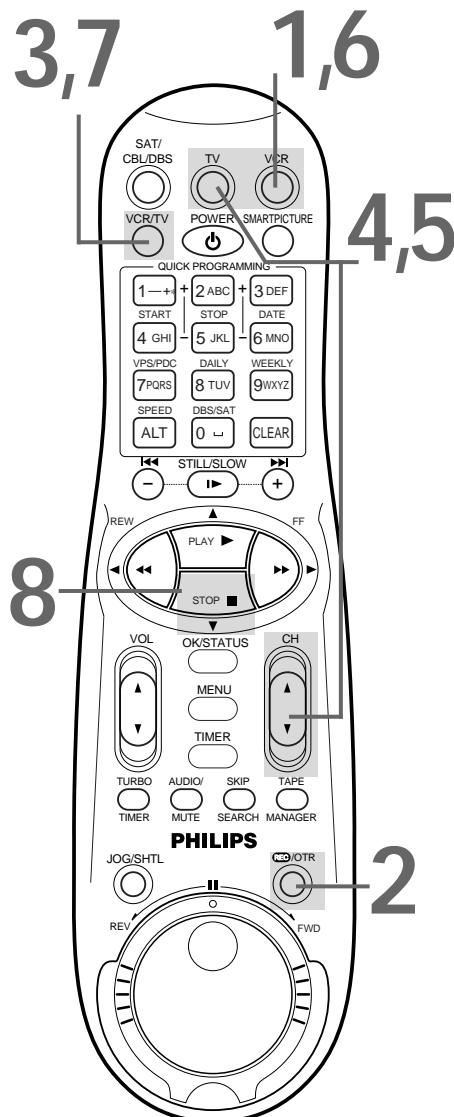
Helpful Hint
• *If you use a Cable Box/DBS, you may not be able to watch one channel while recording another. See pages 8-9 for details.*

The One-Touch Recording (OTR) function allows you to start an immediate timed recording 30 minutes to six hours long of the channel you are watching. Before you begin, make sure:

• Channels are set up. *Details are on pages 12-13.*
• The desired recording speed (SP or SLP) has been selected with the ALT/SPEED button. *Details are on pages 25, 41 and 77.*
• There is a tape in the VCR. Make sure the tape's record tab is intact (see page 5) and the tape is long enough to record the program(s). If the end of the tape is reached during an OTR, recording will stop. The VCR will eject the tape and turn itself off.
• The VCR is in VCR position. (The VCR light will appear on the display panel of the VCR when the VCR is in VCR position. If the VCR light does not appear, press the VCR/TV button once.)

Starting an OTR

1

Press the VCR button.

2

Use the CH(annel) ▲/▼ button or the Number buttons to select the channel you want to record.

3

Press the REC(ord)/OTR button repeatedly until the desired recording length appears briefly on the screen and on the display panel. The ○ light will flash on the display panel. (The recording length will not appear on the screen if ON SCREEN MODE is set to OFF.)

```
OTR (0:30)
                          CH. 12




SLP
```
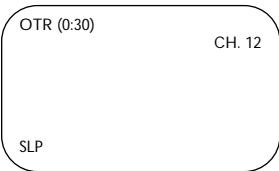
4

To stop an OTR before recording is finished, press the STOP ▼ button.
To cancel the OTR but continue recording, press the REC(ord)/OTR button repeatedly until REC appears in the upper left corner of the TV screen. (ON SCREEN MODE cannot be set to OFF. *Details are on page 28.*) The ○ light will remain on the display panel.
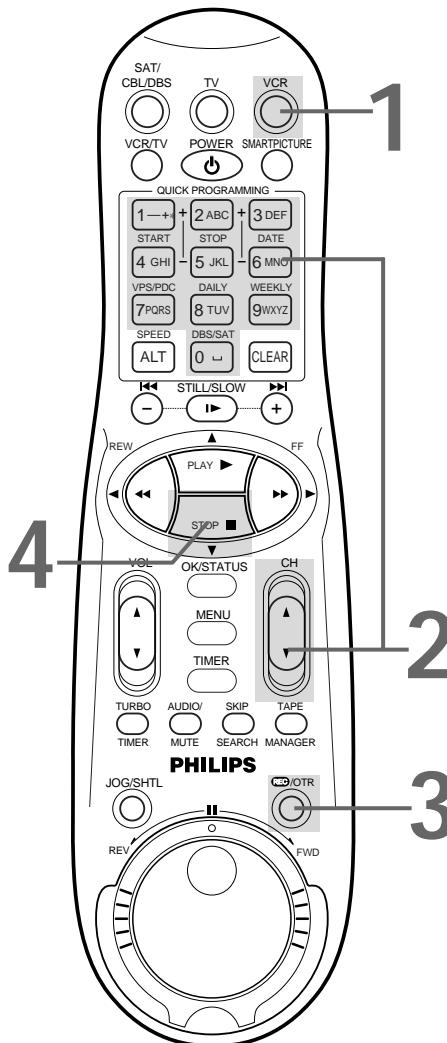
Helpful Hints

• *To check the time remaining for an OTR after the OTR is in progress, press the OK/STATUS button. The remaining time will appear beside OTR on the screen. (ON SCREEN MODE can not be set to OFF.)*

• *To change the recording length while an OTR is in progress, press the REC(ord)/OTR button until the desired length appears on the VCR display panel. The desired length also will appear on the screen if ON SCREEN MODE is set to ON or COUNTER.*

• *If the preset time for a timer recording comes up during an OTR, the OTR has priority.*

This feature allows you to automatically record a satellite program that is programmed on your DBS. The VCR will start recording when it receives a signal from the DBS. The VCR stops recording when the DBS signal turns off.

1

Use audio and video cables to connect the AUDIO and VIDEO OUT jacks of the DBS to the AUDIO and VIDEO IN jacks on the back of the VCR. Set the program on the DBS. Turn off the DBS.

2

Insert a tape in the VCR.

3

**Press the VCR button, then press the MENU button.**
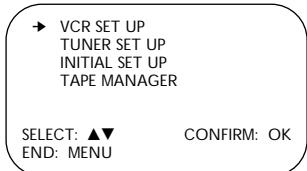
```
→  VCR SET UP
    TUNER SET UP
    INITIAL SET UP
    TAPE MANAGER


SELECT: ▲▼          CONFIRM: OK
END: MENU
```

4

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
→  DSPC                 ON
    ON SCREEN MODE       ON
    BLUE BACKGROUND      ON
    TIMER REC SPEED    MANUAL
    VIDEO STABILIZER     OFF
    AUDIO OUT           HIFI
    NEXT PAGE
SELECT:  ▲▼          CHANGE: ►
END: MENU
```
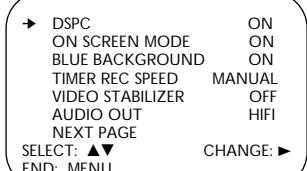
5

Press the STOP ▼ button repeatedly to go to the next page of the VCR SET UP menu, then press the STOP ▼ button to select AUTO DBS RECORD LINK. Press the FF ► button to set AUTO DBS RECORD LINK to ON.

```
    PREVIOUS PAGE
    STEREO/SAP          STEREO
→  AUTO DBS
      RECORD LINK         ON
    S-VHS MODE            ON
    FRONT A/V INPUT     VIDEO
    REAR A/V INPUT      VIDEO

SELECT: ▲▼          CHANGE: ►
END: MENU
```

6
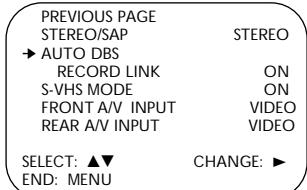
Press the MENU button. Final Record Link instructions (as in step one above) will appear on the screen for about 30 seconds, then the VCR will turn off automatically. "L-1" will blink on the display panel.

1 Set the program on the DBS. Turn off the DBS power.

2 Insert a tape in the VCR.
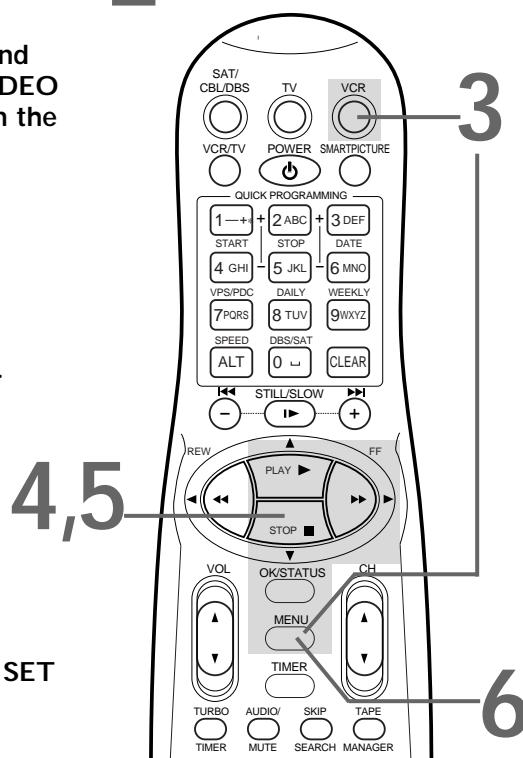
Helpful Hints

- *Pressing the POWER button to turn on the VCR will set AUTO DBS RECORD LINK to OFF automatically.*
- *Do not turn on the DBS before the program starts; otherwise, the VCR will start recording when the DBS power is turned on.*
- *Depending on the type of DBS, the VCR may not record the first few seconds of the program. Or, the VCR may record slightly longer than the actual length of the program.*
- *If a Record Link is set, regular timer recordings will not occur.*
- *"E rL" will flash on the display panel after the VCR turns off if the DBS power is on. Turn off the DBS power. "L-1" will blink on the VCR display panel.*
- *S-VHS MODE, FRONT A/V INPUT and REAR A/V INPUT will not appear in the VCR SET UP menu if you have the VR810BPH.*

1

First, fill in the boxes on this page. It will only take a few minutes, and you must do it if you want the VCR Plus+ programming system to work properly.

Since the channel numbers of the stations you receive may not be the same as the station numbers, and since channel numbers differ from area to area, you must program the VCR with your local channel information. To fill in the boxes, you will need 1) a cable channel list, if applicable (you can request one from your cable company), and 2) a chart that lists VCR Plus+ channel numbers, which you can find in your TV guide or the TV listings of your local newspaper.

NOTE: If you are using a Cable Box/DBS and are not using the Controller, the Cable/TV channel must be the Cable Box/DBS output channel for every VCR Plus+ channel.

Channels		
Station Call Letters	VCR PLUS+ CH.	CABLE/TV CH.

Channels		
Station Call Letters	VCR PLUS+ CH.	CABLE/TV CH.

2

Now, compare the channel numbers you have written into the VCR PLUS+ CH. and CABLE/TV CH. columns. You'll notice that some stations have VCR Plus+ and Cable/TV channel numbers that are the same, and other stations have channel numbers that do not match. You must tell the VCR the VCR Plus+ and Cable/TV channel numbers according to the following steps.

2 Examine the lists on page 36.

3

Press the VCR button, then press the MENU button.

4

Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

5

Press the PLAY ▲ or STOP ▼ button to select VCR PLUS+ CH., then press the OK/STATUS button.

```
SET VCR PLUS+ CH.
VCR PLUS+        CABLE/TV
   99              – – –
   01              – – –
   02    – – –>    – – –
   03              – – –
   04              – – –
SELECT:  ▲▼ OR 0-9
CONFIRM:  OK
END:  MENU
```

6

While a VCR Plus+ channel is flashing, press the PLAY ▲ or STOP ▼ button repeatedly or press the Number buttons so that the arrow appears beside the VCR Plus+ channel number you need.
**Press the OK/STATUS button.**

7

While the space for the Cable/TV channel is flashing, press the PLAY ▲ or STOP ▼ button repeatedly or press the Number buttons to enter the Cable/TV channel number from the list on page 36. Press the OK/STATUS button.
Repeat steps 6-7 until you have entered all the channels on your list.

● **If you are using a Cable Box/DBS and are not using the Controller, the Cable/TV channel will be the Cable Box/DBS output channel for every VCR Plus+ channel. You must set the Cable Box/DBS to the channel you want to record; leave the Cable Box/DBS on for the timer recording.**

8

Press the MENU button.

• •

Follow the steps below to program a timer recording using PlusCode programming numbers. Before you begin make sure:

• Channels are set up. *Details are on pages 12-13.*
• The clock is set. (If the clock is not set, CLOCK MUST BE SET will appear, followed by the VCR menu.)
  Details are on pages 14-18.
• There is a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
• The VCR is in VCR position (the VCR light will appear on the display panel). If the VCR light does not appear, press the VCR/TV button once.
• You have programmed the VCR Plus+ and Cable/TV channel numbers. *Details are on pages 36-37.*

Complete each step within 60 seconds of completing the previous step. If you don't, you may start again at step 1.

1

Press the VCR button.

2

Press the TIMER button.

```
 →  VCR PLUS+
    QUICK PROGRAMMING
    PROGRAM REVIEW


 SELECT: ▲▼          CONFIRM:  OK
 END:  TIMER
```

3
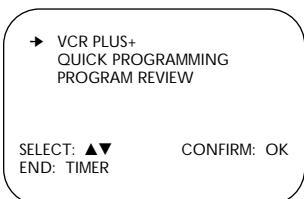
Press the PLAY ▲ or STOP ▼ button to select VCR PLUS+, then press the OK/STATUS button.

```
 VCR PLUS+ PROG.  CODE

   VCR PLUS+     ■



 END:  TIMER
```

4
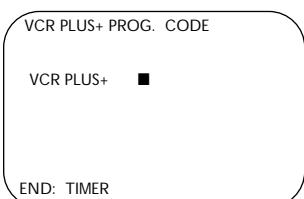
Use the Number buttons to enter the PlusCode programming number of the program you wish to record. (This number is different for every program.)

```
 VCR PLUS+ PROG. CODE

   VCR PLUS+     123■


 CONFIRM:  OK
 CORRECT:  CLEAR
 END:  TIMER
```
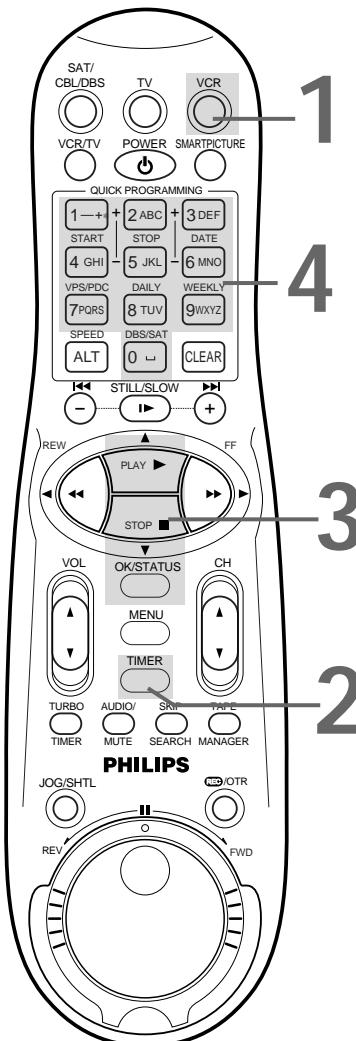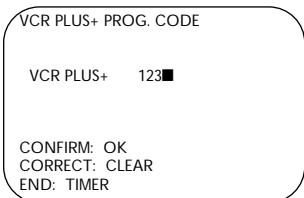
Helpful Hint

• *If you enter an incorrect PlusCode programming number at step 4, ERROR-RE-ENTER CODE will flash on the screen after step 5. Enter the correct PlusCode programming number.*

5

Press the OK/STATUS button. If the VCR PLUS+ and CABLE/TV channel lists appear on the screen, the CABLE/TV channel has not been set for the VCR PLUS+ channel of the program you have set in step 4. Press the Number buttons to enter the CABLE/TV channel number from your list on page 36, then press the OK/STATUS button.

6

• **If you want to record the program one time only, go to step 7.** You also may press the Number 8/DAILY or Number 9/WEEKLY button repeatedly to select a ONE TIME PROGRAM.

• **If you want to record the program daily, press the Number 8/DAILY button so that DAILY PROGRAM appears at the top of the screen.** The VCR will record a program every day from Monday through Friday, starting at the same time and recording for the same length of time.

• **If you want to record the program every week, press the Number 9/WEEKLY button so that WEEKLY PROGRAM appears at the top of the screen.** The VCR will record a program on the same day, at the same time, for the same length of time every week.

```
DAILY PROGRAM (MON-FRI)
 PROGRAM       1
 CHANNEL +/–  12
 START +/–     08:00  PM
 STOP +/–      10:00  PM
 REC SPEED     SLP
 DATE +/–      06/21/00
               WEDNESDAY
 DAILY:  8              WEEKLY:  9
 CONFIRM:  OK           END:  TIMER
```

7

Press the ALT/SPEED button to select the tape speed. The selected tape speed, SP or SLP, will appear beside REC SPEED.

8

Press the OK/STATUS or TIMER button. PROGRAM WAS COMPLETED/PLEASE TURN OFF VCR FOR TIMER RECORDING should appear on the screen. (If PROGRAM NOT COMPLETED appears, begin again from step 1.) After five seconds, the on-screen display will disappear.

9

Press the POWER button to turn off the VCR. The VCR must be turned off for a timer recording to take place. The ☉ light will appear on the display panel. The ☉ light and the Cassette-Inside light will flash when you turn off the VCR if there is not a tape in the VCR.

> **Turn off the VCR for a timer recording!**
> **Put a tape in the VCR.**
> **Leave the Cable Box/DBS on.**
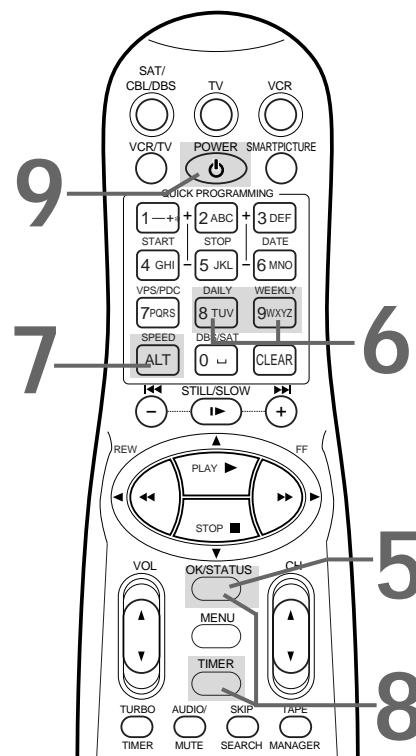
Helpful Hints

• *Do not select DAILY at step 6 if the VCR Plus+ recording you chose is on a Saturday or Sunday. The recording will not occur, even though the VCR may accept the way you programmed the recording.*

• *To exit the VCR Plus+ programming system at any step, press the TIMER button.*

• *If the timer recording you just programmed overlaps another timer recording, PROGRAM NOT COMPLETED/PROGRAM OVERLAP will appear. Details are on page 46.*

• *If you forget to turn off the VCR, PLEASE TURN OFF VCR FOR TIMER RECORDING flashes on your TV screen two minutes before a timer recording is set to begin. To remove the message, press the CLEAR button.*

• *To check your timer recordings, see page 45.*

• *The ☉ light will flash if the clock is not set (if the clock setting was erased after you set up the timer recording). Be sure to set the clock before the timer recording is scheduled to begin.*

Follow the steps below to program your VCR to record TV programs while you're away from home. The VCR will turn itself on, record, and turn itself off automatically.

Before you begin, make sure:

- Channels are programmed. *Details are on pages 12-13.*
- The clock is set. *Details are on pages 14-18.* If the clock is not set, CLOCK MUST BE SET appears on the screen, followed by the main VCR menu.
- There is a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).
- The VCR is in VCR position. The VCR light will appear on the display panel when the VCR is in VCR position. If the VCR light does not appear, press the VCR/TV button once.
- When you use a Cable Box/DBS, timer recordings are programmed differently. Read pages 8-9 before proceeding.

Complete each step within 60 seconds of the previous step.

1

Press the VCR button, then press the TIMER button.

```
→  VCR PLUS+
   QUICK PROGRAMMING
   PROGRAM REVIEW


SELECT: ▲▼          CONFIRM:  OK
END:  TIMER
```

2
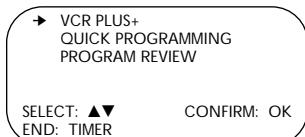
Press the PLAY ▲ or STOP ▼ button to select QUICK PROGRAMMING, then press the OK/STATUS button.

```
ONE TIME PROGRAM
 PROGRAM       1
 CHANNEL +/–  – – –
 START +/–    – – : – –   AM
 STOP +/–     – – : – –   AM
 REC SPEED    SLP
 DATE +/–     – – / – – / – –

DAILY: 8                WEEKLY: 9
CONFIRM:  OK            END:  TIMER
```

3
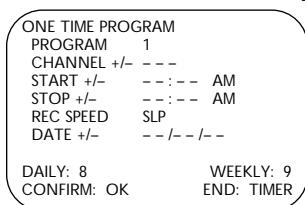
Press the CH(annel) ▲/▼ button to enter the channel you want to record.

- If you are using a standard antenna/cable to VCR to TV hookup (as shown on pages 6-7), enter the channel of the TV program you want to record.
- If you are using a Cable Box/DBS and are not using the Controller, enter the Cable Box/DBS output channel. Set the Cable Box/DBS to the channel you want to record. Leave the Cable Box/DBS on for a timer recording.
- If you are using the Controller, enter the channel number that you want to record. The Controller will select the channel at the Cable Box/DBS.

```
ONE TIME PROGRAM
 PROGRAM       1
 CHANNEL +/–  12
 START +/–    – – : – –   AM
 STOP +/–     – – : – –   AM
 REC SPEED    SLP
 DATE +/–     – – / – – / – –

DAILY: 8                WEEKLY: 9
CONFIRM:  OK            END:  TIMER
```
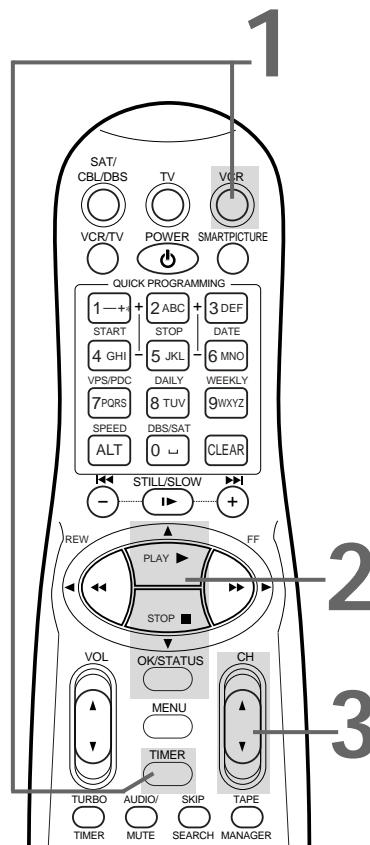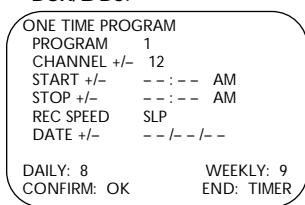
Helpful Hint

- *If you are using a DBS and have set up the Controller, CABLE/TV or DBS may appear beside the channel number. You may need to clarify whether the desired channel is for Cable TV or Satellite TV (DBS). If so, "CABLE/TV OR DBS: 0" will appear near the bottom of the screen. Press the Number 0 (DBS) button repeatedly to select either CABLE/TV or DBS.*
  Select DBS only if you have connected a DBS to the VCR. For all other connections, select CABLE/TV.

4

Press the Number 1/START + or Number 4/START– button to set the recording's start time. Every time you press a button, the start time changes in one-minute increments. If you press and hold a button, the start time changes in 30-minute increments.

```
ONE TIME PROGRAM
  PROGRAM        1
  CHANNEL +/–   12
  START +/–      08 : 00   PM
  STOP +/–       – – : – –  AM
  REC SPEED      SLP
  DATE +/–       – – /– – /– –

DAILY:  8                   WEEKLY:  9
CONFIRM:  OK              END:  TIMER
```

5

Press the Number 2/STOP+ or Number 5/STOP– button to set the recording's stop time. Every time you press a button, the stop time changes in one-minute increments. If you press and hold a button, the stop time changes in 30-minute increments.

```
ONE TIME PROGRAM
  PROGRAM        1
  CHANNEL +/–   12
  START +/–      08 : 00   PM
  STOP +/–       10 : 00   PM
  REC SPEED      SLP
  DATE +/–       – – /– – /– –

DAILY:  8                   WEEKLY:  9
CONFIRM:  OK              END:  TIMER
```

6

Press the ALT/SPEED button to select the tape speed (SP or SLP). Details about tape speed are given below.

```
ONE TIME PROGRAM
  PROGRAM        1
  CHANNEL +/–   12
  START +/–      08 : 00   PM
  STOP +/–       10 : 00   PM
  REC SPEED      SLP
  DATE +/–       – – /– – /– –

DAILY:  8                   WEEKLY:  9
CONFIRM:  OK              END:  TIMER
```

Instructions continue on page 42.
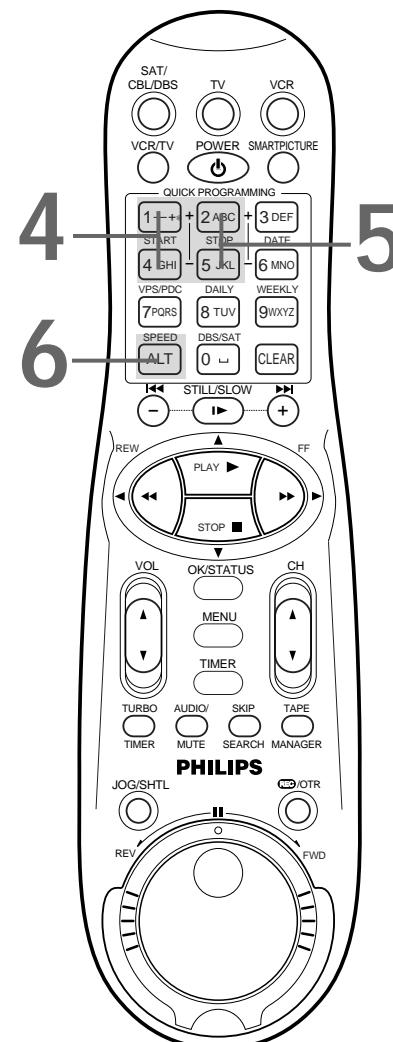
| **Tape Speeds** This chart shows the recording/playback time for T160, T120, and T60 video cassettes. There are three playback speeds: SP, LP, and SLP. This VCR will play tapes recorded in LP, but LP will not appear on the display panel. This VCR will record only in SP and SLP.	Cassette type / Playback Time		
	Tape Speed	T160	T120	T60
	SP (standard play)	2 hrs. 40 mins.	2 hrs.	1 hr.
	LP (long play) (playback only)	5 hrs. 20 mins.	4 hrs.	2 hrs.
	SLP (super long play)	8 hrs.	6 hrs.	3 hrs.

7

Press the Number 3/DATE+ or Number 6/DATE– button to set the recording date. Every time you press a button, the date changes in one-day increments. If you press and hold a button, the date changes quickly. The day of the week will appear automatically. (You cannot program the VCR to record more than one year in advance.)

```
ONE TIME PROGRAM
  PROGRAM        1
  CHANNEL +/–    12
  START +/–      08:00  PM
  STOP +/–       10:00  PM
  REC SPEED      SLP
  DATE +/–       06/21/00
                 WEDNESDAY
DAILY: 8                    WEEKLY: 9
CONFIRM: OK                 END: TIMER
```

8

• **If you want to record the program one time only, go to step 9.** You may also press the Number 8/DAILY or Number 9/WEEKLY button repeatedly to select a ONE TIME PROGRAM.

• **If you want to record the program daily, press the Number 8/DAILY button so that DAILY PROGRAM appears at the top of the screen.** The VCR will record a program every day from Monday through Friday, starting at the same time and recording for the same length of time.
Do not choose a DAILY recording if the program occurs on Saturday or Sunday. The recording will not occur, even though the VCR will accept the way you programmed the timer recording.

• **If you want to record the program every week, press the Number 9/WEEKLY button so that WEEKLY PROGRAM appears at the top of the screen.** The VCR will record a program on the same day at the same time and for the same length of time every week.

```
DAILY PROGRAM (MON-FRI)
  PROGRAM        1
  CHANNEL +/–    12      CABLE/TV
  START +/–      08:00  PM
  STOP +/–       10:00  PM
  REC SPEED      SLP
  DATE +/–       06/21/00
                 WEDNESDAY
DAILY: 8                    WEEKLY: 9
CONFIRM: OK                 END: TIMER
```
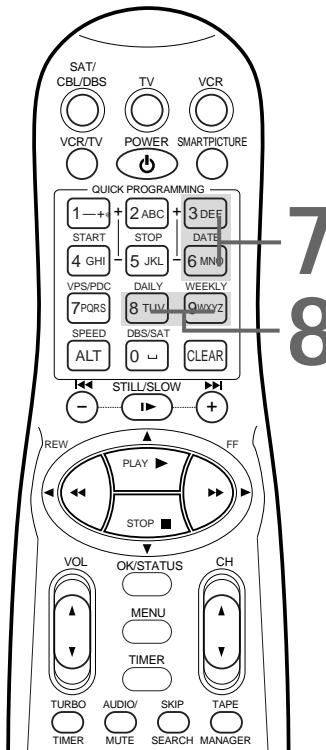
Helpful Hints

• *If you leave the VCR on past the scheduled start time of a timer recording, you will not be asked again to turn off the VCR. The VCR might store the recording for the same time and day in the next year.*

• *If the end of the tape is reached during a timer recording, recording will stop. The VCR will eject the tape, then turn itself off.*

• *If the timer recording you just programmed overlaps another timer recording, PROGRAM NOT COMPLETED/PROGRAM OVERLAP will appear. Details are on page 46.*

• *If you forget to turn off the VCR, PLEASE TURN OFF VCR FOR TIMER RECORDING flashes on your TV screen two minutes before a timer recording is set to begin. To remove the message, press the CLEAR button.*

9

Press the OK/STATUS or TIMER button. PROGRAM WAS
COMPLETED/PLEASE TURN OFF VCR FOR TIMER RECORD-
ING will appear on the screen. If PROGRAM NOT COMPLETED
appears, try again from step 1.

10

Press the POWER button to turn off the VCR. The ⏲ light
will appear on the display panel. (The ⏲ light and the Cassette-
Inside light will flash when you turn off the VCR if there is not a
tape in the VCR.)

**The VCR must be turned off
for a timer recording to take place.
Leave the Cable Box/DBS on, if applicable.
Make sure a tape is in the VCR.**
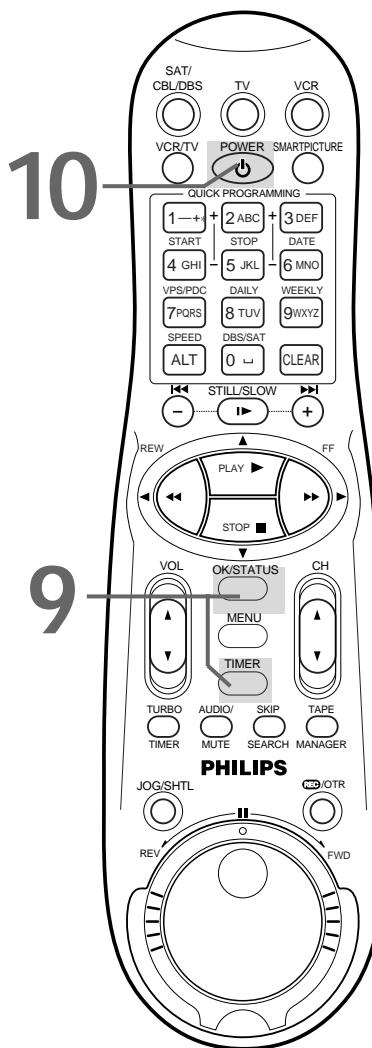
Helpful Hint

• *With ShowGuard, the VCR keeps your
timer recordings, even if the power
fails. However, the time and other
menu settings may be lost if the
power fails for more than three min-
utes. When the power is restored, the
following will occur:*
*The VCR will automatically restore the
time setting if you are using AUTO
CLOCK. Auto will flash on the display
panel. When the time setting is
restored, the current time will appear
on the display panel.*
*After the time setting is restored, each
timer recording you have set will occur
as programmed, unless the recording
was to occur during the power outage.*

44 Turbo Timer

This function allows you to set a timer recording without using the on-screen menus. Complete each step within one minute of the previous step. Use Turbo Timer to set a one-time recording within the next 24 hours only.

1

Insert a tape into the VCR and press the TURBO TIMER button on the remote control. The current time will appear on the display panel. (It will not appear on the TV screen.)
If "Err" (error) appears, either the clock is not set or you have set eight timer recordings already. The VCR will not let you set more than eight timer recordings.

8:00 PM

2

To set the START time, press the PLAY ▲ or STOP ▼ button until the desired start time appears on the display panel. Every time you press a button, the start time changes in one-minute increments. If you press and hold a button, the start time changes in 30-minute increments.
When the correct START time appears, press the OK/STATUS button.

8:30 PM

3

The START time will continue to appear on the display panel. **To set the STOP time, press the PLAY ▲ or STOP ▼ button.** Every time you press a button, the stop time changes in one-minute increments. If you press and hold a button, the stop time changes in 30-minute increments. **When the correct STOP time appears, press the OK/STATUS button.**

9:00 PM

4

The current channel number will appear on the display panel. **To select the channel you want to record, press the PLAY ▲ or STOP ▼ button.** Every time you press a button, the channel changes once. If you press and hold the button, the channels will change rapidly. **When the correct channel number appears, press the OK/STATUS button.**

1 CH
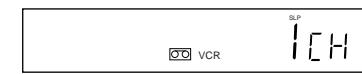
5

The normal display will appear, and the ⏲ light will appear on the display panel.
Press the POWER button to turn off the VCR. Leave the Cable Box/DBS on if applicable.

1 Insert a tape into the VCR.
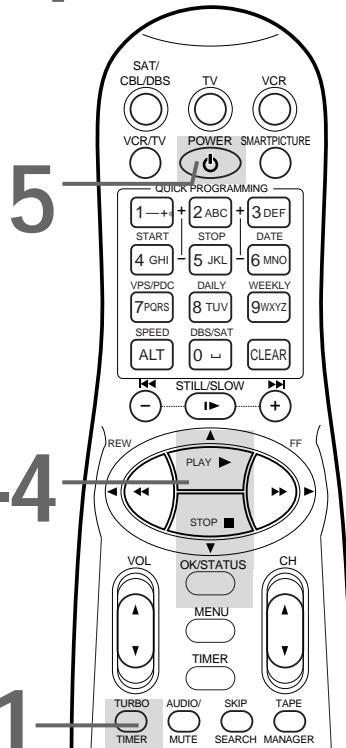
Helpful Hints

- *The Program Overlap Warning does not function with Turbo Timer. The timer recording with the earliest start time will record. Then, the remaining portion of the later recording will record.*
- *To exit Turbo Timer mode at any time, press the TURBO TIMER button.*
- *Tape speed can be selected at any time during steps 1-4 by pressing the ALT/SPEED button.*
- *If you are using a DBS with the Controller and have selected a channel between 100-199, you may need to specify whether the channel is for Cable TV or Satellite TV (DBS). Press the Number 0 (DBS) button repeatedly to select either the DBS mode ("D" indicator appears on the display panel), or CABLE/TV (no indicator appears next to the channel number).*

Checking, Editing, or Clearing Timer Recordings

1

Press the VCR button, then press the TIMER button.

> → VCR PLUS+
>   QUICK PROGRAMMING
>   PROGRAM REVIEW
>
> SELECT: ▲▼   CONFIRM: OK
> END: TIMER

2
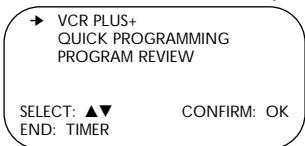
Press the PLAY ▲ or STOP ▼ button to select PROGRAM REVIEW, then press the OK/STATUS button. The list of programmed timer recordings will appear. (If no timer recordings are set, NO PROGRAM SET will appear briefly.)

PR	CH	START	STOP	DATE
1	12	08:00P	10:00	06/10
2				
3	20	10:00A	10:45w	11/25
4				
5	45	03:00P	03:15W	10/16
6				
7				
8	125	11:30P	01:00D	12/04

NEXT: OK   END: TIMER

W indicates a Weekly recording.

D indicates a Daily recording.

3

To see the timer recordings individually, press the OK/STATUS button. Information for the first program will appear.

> ONE TIME PROGRAM
> PROGRAM   1
> CHANNEL +/–   12
> START +/–   08:00 PM
> STOP +/–   10:00 PM
> REC SPEED   SLP
> DATE +/–   06/10/00
>   SATURDAY
> ERASE: CLEAR   END: TIMER
> NEXT: OK   PREV: ◄

4

Press the OK/STATUS button repeatedly to review all programmed timer recordings. Or, press the REW(ind) ◄ button to return to the previous screen.

5

While the information for an individual timer recording is on the screen, you may change any of the information except the program number. Refer to pages 38-43.

6

To cancel the timer recording, press the CLEAR button. You will either see the next timer recording or the menu will disappear.

7

When all programmed timer recordings have been displayed, the menu will disappear. Or, press the TIMER button to remove the menu.
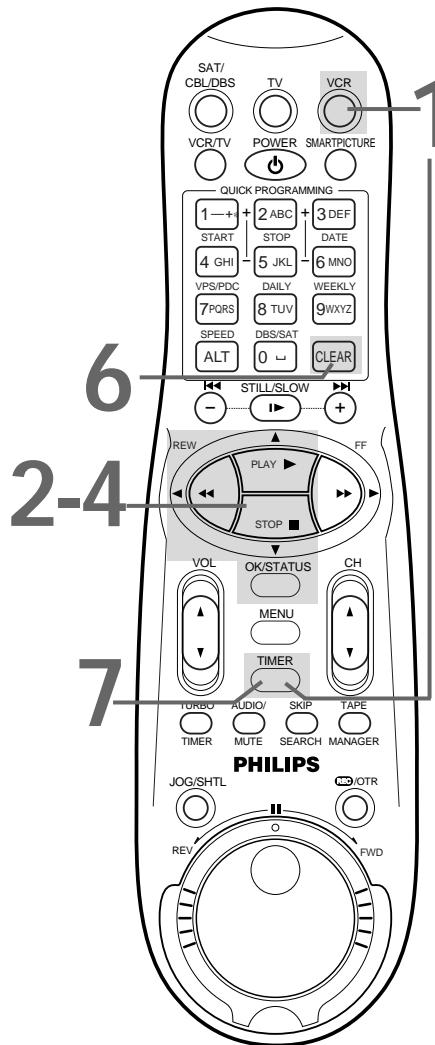
Helpful Hint

• *To stop a timer recording that is in progress, press the POWER button. See page 78 for more hints.*

46 Program Overlap Warning

If the timer recording you just set overlaps a previously set pro-
gram, "PROGRAM NOT COMPLETED/PROGRAM OVERLAP"
will appear on the screen for five seconds. To correct the over-
lapping recordings, follow the steps below.

```
PROGRAM NOT COMPLETED

PROGRAM OVERLAP
```

1

The program review screen will appear automatically after "PRO-
GRAM NOT COMPLETED/PROGRAM OVERLAP." The two
overlapping programs will blink. The program you set most
recently will be highlighted in red.

```
PR   CH   START    STOP  DATE
1    12   08:00P   10:00D07/21
2    36   10:00P   12:00  08/10
3    24   11:00P   01:00  08/10
4    45   03:00P   03:15W10/15
5
6
7
8
SELECT: ▲▼          CONFIRM: OK
```

2

**Press the PLAY ▲ or STOP ▼ button to move the red
highlight to the program that you want to change.**

3

Press the OK/STATUS button to select the program.
Information about the chosen program will appear.

```
ONE TIME PROGRAM
  PROGRAM      3
  CHANNEL +/–  24
  START +/–    11:00  PM
  STOP +/–     01:00  AM
  REC SPEED    SLP
  DATE +/–     08/10/00
               THURSDAY
ERASE: CLEAR
CONFIRM: OK          END: TIMER
```

4

**Refer to pages 38-43 to change any information on the
selected program. When all the information is correct,
press the OK/STATUS button.**
Or, to cancel the timer recording, press the CLEAR button.
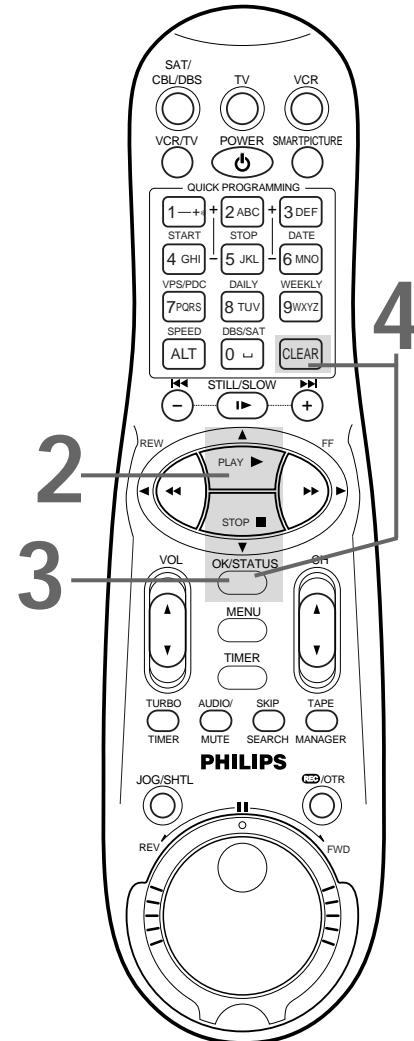
If a program is recording in SP and there is not enough tape to record the entire program, the VCR automatically switches to SLP to allow complete recording if TIMER REC SPEED is set to AUTO. This feature is especially useful when you set a timer recording for a program that is more than two hours long. For example, when you record a program of 140 minutes in length onto a 120-minute tape, the program is recorded in SP for about 110 minutes and in SLP for about 30 minutes.

Approximately 110 minutes	Approximately 30 minutes
SP	SLP

Follow the steps below to set TIMER REC SPEED to AUTO.

1

Press the VCR button, then press the MENU button.

```
  ➔ VCR SET UP
     TUNER SET UP
     INITIAL SET UP
     TAPE MANAGER


  SELECT: ▲▼          CONFIRM: OK
  END:  MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
  ➔ DSPC                ON
     ON SCREEN MODE      ON
     BLUE BACKGROUND     ON
     TIMER REC SPEED     MANUAL
     VIDEO STABILIZER    OFF
     AUDIO OUT           HIFI
     NEXT PAGE
  SELECT:  ▲▼           CHANGE: ►
  END:  MENU
```

3
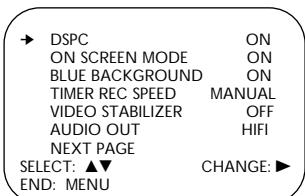
Press the STOP ▼ button repeatedly to select TIMER REC SPEED, then press the FF ► button so that AUTO appears beside TIMER REC SPEED. (To turn off this feature, press the FF ► button so that MANUAL appears beside TIMER REC SPEED.)

```
     DSPC                ON
     ON SCREEN MODE      ON
     BLUE BACKGROUND     ON
  ➔  TIMER REC SPEED     AUTO
     VIDEO STABILIZER    OFF
     AUDIO OUT           HIFI
     NEXT PAGE
  SELECT: ▲▼           CHANGE: ►
  END:  MENU
```

4
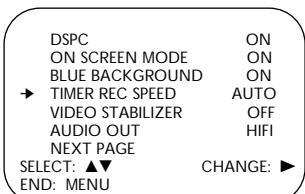
Press the MENU button.
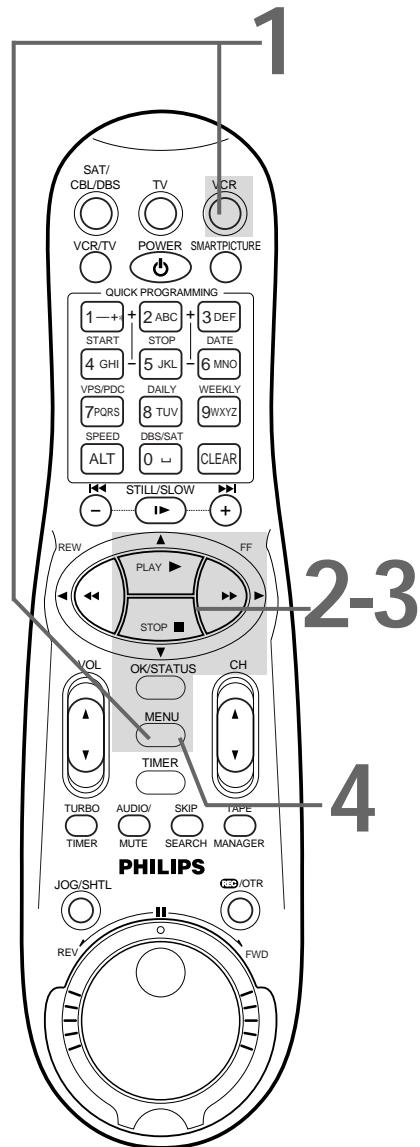
Helpful Hint

· *Some distortion may appear on the tape when the tape speed changes.*

48 Rerecording (Tape Duplication)

The instructions on this page show you how to copy tapes. Different VCRs may operate differently. To duplicate a tape, make the connections shown, then follow steps 1-6. (You may use the AUDIO and VIDEO In jacks on the front of VCR 2 instead if you prefer.)

VCR 1
Playing VCR

VCR 2
Recording VCR

3) Use an RF coaxial cable to connect the TV OUT Jack on VCR 2 to the TV's ANTENNA IN Jack.

audio cables

video cable

1) Use audio cables to connect the AUDIO OUT Jacks on VCR 1 to the AUDIO IN Jacks on VCR 2.
2) Use a video cable to connect the VIDEO OUT Jack on VCR 1 to the VIDEO IN Jack on VCR 2.
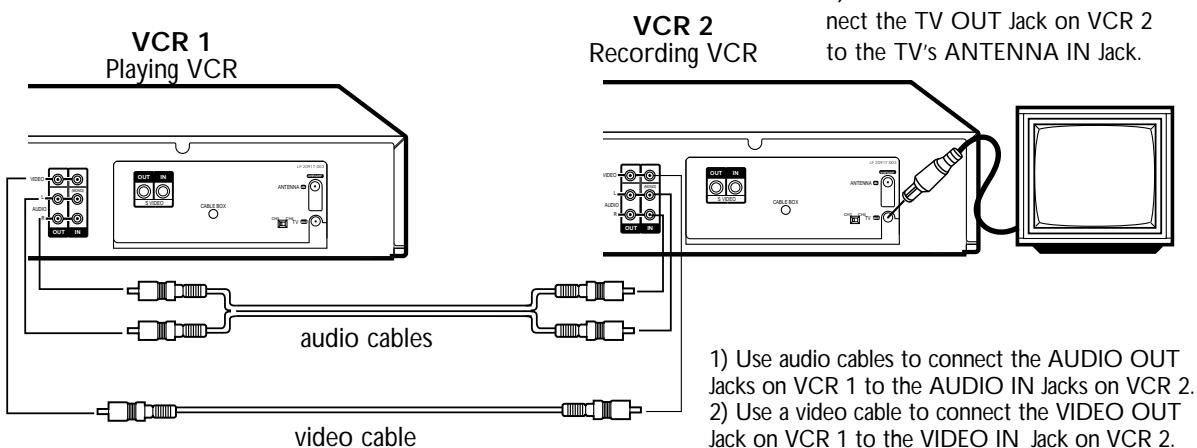
1

VCR 1 will play your tape. **Insert a prerecorded tape in VCR 1.** If the tape does not have a record tab, playback begins. If this happens, press the STOP/EJECT button on VCR 1 once.

2

VCR 2 will record your tape. **Insert a blank tape in VCR 2. Make sure the VCR power is on and the VCR is in VCR position.** (The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.)

3

Turn on the TV; set it to channel 3 or 4, whichever channel the CH3/CH4 switch on VCR 2 is set to.

4

Point the remote control at VCR 2. Press the VCR button, then press the Number button 0. Press the CH(annel) ▲/▼ button so that A/V IN FRONT or A/V IN REAR appears on the screen (or L-F or L-1 appears on the VCR display panel). See Helpful Hints at right.

5

**Point the remote control at VCR 2. Press the ALT/SPEED button to select SP or SLP.**

6

Press the PLAY button on VCR 1 and the REC(ord)/OTR button on VCR 2 at the same time. The ○ light will appear on the VCR 2 display panel.

Helpful Hints

- *Unauthorized recording of copyrighted television programs, video tapes, or other materials may infringe on the rights of copyright owners and violate copyright laws.*
- *If a program has copyright protection, it may not record clearly.*
- *To stop copying tapes, press the STOP/EJECT button on VCR 2, then press STOP/EJECT on VCR 1.*
- *For VR1010BP only: If you connect the audio and video (or S-video) cables to the AUDIO/VIDEO In (or AUDIO/S-VIDEO In) jacks on the front of VCR 2, you must select A/V IN FRONT at step 4. Then, select VIDEO or S-VIDEO at FRONT A/V INPUT in the VCR SET UP menu.*
  If you connect the audio and video (or S-Video) cables to the AUDIO/VIDEO IN (or AUDIO/S-VIDEO IN) jacks on the back of VCR 2, you must select A/V IN REAR at step 4. Then select VIDEO or S-VIDEO at REAR A/V INPUT in the VCR SET UP menu.

Audio Dubbing replaces the normal audio of a previously
recorded video tape with a new soundtrack.

**Audio equipment
(CD player etc.)**
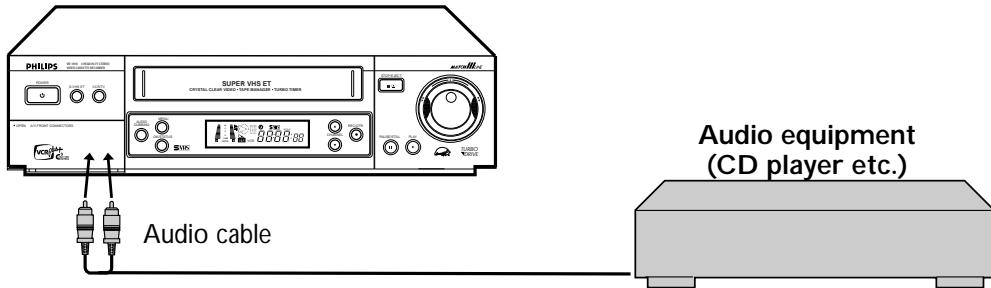
Audio cable

1

**Connect the red and white audio cables to the
AUDIO OUT jacks on the audio equipment and to
the AUDIO IN jacks on the VCR**. If the audio equipment
has a single AUDIO OUT jack, connect only the white audio
cable to the AUDIO OUT jack on the audio equipment and
to the white AUDIO IN jack on the VCR. You will not use
the red audio cable.

2

**On the VCR remote control, press the VCR button,
then press the Number 0 button. Press the
CH(annel) ▲/▼ button so that A/V IN FRONT or
A/V IN REAR appears on the screen (or L-F or L-1
appears on the VCR display panel).**

3

**Insert the video tape onto which you want to record
the new soundtrack. Press the PLAY ▲ button to
play the tape**, **then press the PAUSE/STILL button**
when you find the point at which you want to start dubbing.

4

**Press the AUDIO DUBBING button on the front of
the VCR.** ◯ blinks, and ▷ and ▐▌ light on the VCR display
panel.

5

**On your audio equipment, find the starting point of
the soundtrack, then pause play at that point. Then,
press Play on the audio equipment and PAUSE/STILL
on the VCR at the same time to start dubbing.**
◯ blinks and ▷ appears on the VCR display panel.

6

**When you are finished dubbing, press STOP/EJECT
on the VCR once to stop the video tape, then stop
the soundtrack on your audio equipment.**

Helpful Hints

- *If MONO is selected, you will hear the
new soundtrack during dubbing. If HIFI
is selected, you will hear the tape's origi-
nal audio during dubbing.
Likewise, after dubbing is finished and
you are watching the tape, you will hear
the original audio if HIFI is selected. You
will hear the new soundtrack if MONO
is selected.
Choose HIFI or MONO by pressing the
VCR button, then pressing the
AUDIO/MUTE button on the VCR
remote control repeatedly.*
- *Audio dubbing stops automatically when
the counter reaches "0:00:00," and
normal tape playback resumes. Check
the counter reading before you begin
dubbing.*
- *Make sure the video tape's record tab is
intact.*
- *Choose A/V IN FRONT at step 2 if you
connected the audio cables to the jacks
on the front of the VCR. Select A/V IN
REAR at step 2 if you connected the
audio cables to the jacks on the back of
the VCR.*

50 Connecting the Controller

If you are using a Cable Box/DBS, connect the Controller to your VCR. The Controller will automatically select channels at the Cable Box/DBS during a timer recording. Leave your Cable Box/DBS turned on during a timer recording.

1

Connect the Cable Box/DBS to the VCR as shown below. Set the TV to the Cable Box/DBS output channel. For more information, please read page 8. Or, refer to the owner's manual of your Cable Box/DBS.

Cable Box/DBS   Controller

Connect the Controller to the CABLE BOX Jack on the back of the VCR.

Back of TV (example)

Connect the Cable signal to the IN Jack of the Cable Box/DBS.

Use an RF coaxial cable to connect the OUT Jack on the Cable Box/DBS to the ANTENNA IN Jack on the back of the VCR.

Use a second RF coaxial cable to connect the TV OUT Jack on the VCR to the ANTENNA IN Jack on the back of your television.
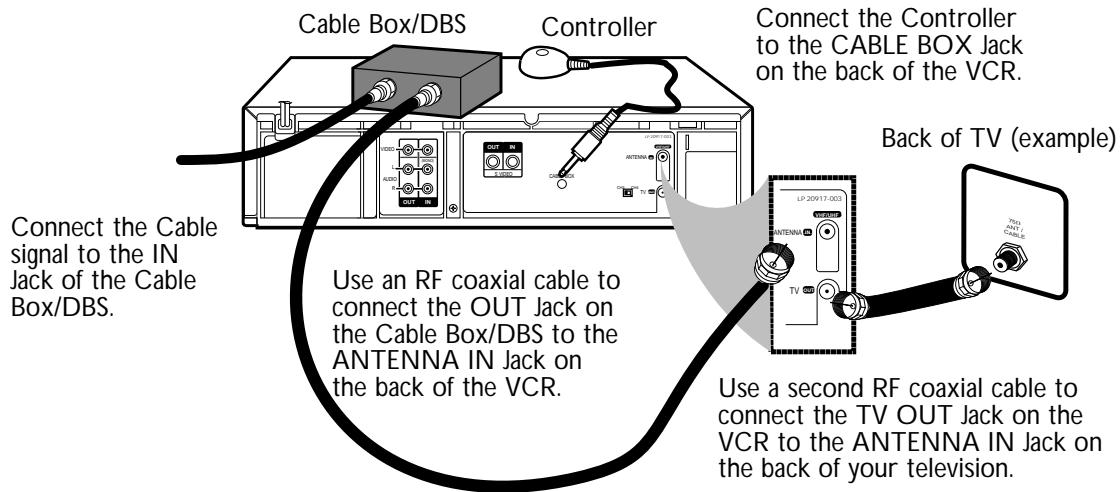
2
Connect the Controller to the CABLE BOX Jack on the back of the VCR as shown above.

3

Attach the Controller to the top of the VCR using the supplied adhesive. Make sure the Controller's transmitter (the light on the top of the Controller) is pointed toward the Cable Box/DBS remote sensor. (To find the Cable Box/DBS remote sensor, refer to the owner's manual of your Cable Box/DBS.)

Cable Box/DBS
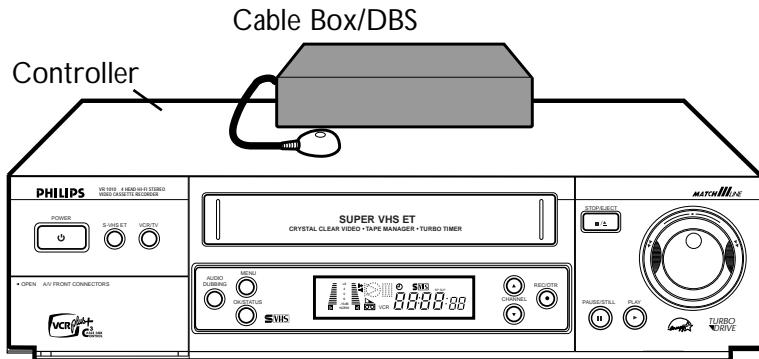
Controller

4

If you are using a Cable Box, follow the steps on pages 51-52 to make the Controller change channels at the Cable Box during timer recordings.
If you are using a DBS, follow the steps on pages 53-54 to make the Controller change channels at the DBS during timer recordings.

••

• Make sure the clock is set. You must set the clock manually.
  Details are on pages 14-15.
• Complete the steps on page 27. This will enable you to use the
  VCR remote control to operate the Cable Box, and you will learn
  your Cable Box code.
• Make each entry within one minute of the previous entry.

1

Turn on the Cable Box. Select a channel other than 09.

2

Press the VCR button, then press the MENU button.

```
  ➔ VCR SET UP
      TUNER SET UP
      INITIAL SET UP
      TAPE MANAGER

   SELECT: ▲▼          CONFIRM: OK
   END: MENU
```

3

**Press the PLAY ▲ or STOP ▼ button to select INITIAL
SET UP, then press the OK/STATUS button.**

```
   ➔  CLOCK
       LANGUAGE          ENGLISH
       VCR PLUS+ CH.
       CABLE BOX
       DBS RECEIVER

   SELECT: ▲▼          CONFIRM: OK
   END: MENU
```

4

**Press the PLAY ▲ or STOP ▼ button to select CABLE
BOX, then press the OK/STATUS button.**

```
  CABLE BOX CONTROLLER
              OFF
  ➔ OFF              CH.=CHANNEL
    ON CH. 2      ON CH. 7
    ON CH. 3      ON CH. 8
    ON CH. 4      ON CH. 9
    ON CH. 5      ON A/V FRONT
    ON CH. 6      ON A/V REAR
  SELECT: ▲ ▼         CONFIRM:OK
  END:MENU
```

5

**Press the PLAY ▲ or STOP ▼ button to select the output
channel of your Cable Box, then press the OK/STATUS
button.** The display shown below will appear. If CABLE BOX
USERS SET CLOCK MANUALLY appears, follow steps 4-8 on page
15, then go to step 6 on page 52.

```
   SELECT CODE NUMBER
   OF YOUR CABLE BOX
            1

  REFER TO
  INSTRUCTION BOOK

  SET: ▲▼
  TEST: OK
  END: MENU
```

1

Turn on the Cable Box. Set it to
a channel other than channel 09.
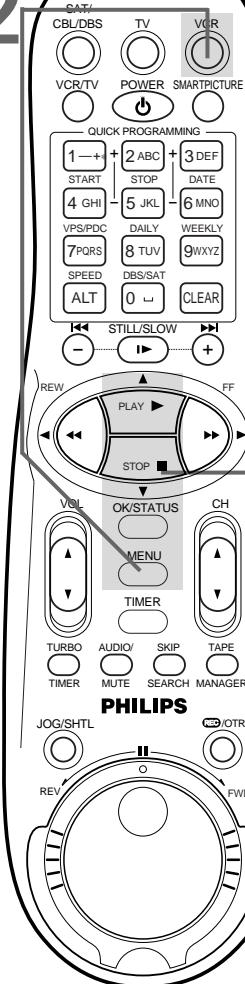
3-5

6

Press the PLAY ▲ or STOP ▼ button to set the code for your Cable Box (see list below), then press the OK/STA-TUS button. (Single digits will appear on the screen for codes 01-09.)

```
SELECT CODE NUMBER
  OF YOUR CABLE BOX
          12

DID CABLE BOX DISPLAY
CHANGE TO CHANNEL 09?
        ➡ YES
           NO
SELECT: ▲▼        CONFIRM:OK
END: MENU
```

6-8
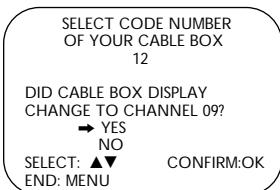
CABLE BOX CODES

|	
ARCHER 01, 05, 17	REGAL 10, 18, 19, 23
CABLETENNA 01, 17	REGENCY 19
CABLEVIEW 15, 16, 17, 21, 25	REMBRANDT 01, 16, 17
CITIZEN . . .15, 16, 17, 21, 25	SAMSUNG 05, 16, 24
CURTIS 02, 08	SCIENTIFIC ATLANTA 02, 08
DIAMOND 01, 17	SIGMA 07, 20
EASTERN 19	SL MARX . .05, 16, 17, 24, 25
GC BRAND 15, 16, 17, 21, 25	SPRUCER 13, 14
GEMINI 15	STARGATE . . .05, 15, 16, 17,
GENERAL INSTRUMENTS	. . . . 21, 24, 25
. . . . . . .01, 04, 06, 11, 12, 15	TELEVIEW 05, 16, 24
HAMLIN 10, 18, 19, 23	TOCOM 01, 04, 16
JASCO 15	UNIKA 01, 17
JERROLD	UNIVERSAL 16, 17, 25
. . . . . . .01, 04, 06, 11, 12, 15	VIDEOWAY 03, 09, 22
NOVAVISION 02, 08	ZENITH 03, 09, 22
OAK 07, 20	
PANASONIC 13, 14	
PULSAR . . .15, 16, 17, 21, 25	
RCA 13, 14	

7

Wait for a few seconds.
- If the Cable Box changes to channel 09, go to step 8.
- If the Cable Box doesn't change to channel 09, press the PLAY ▲ or STOP ▼ button to select NO, then press the OK/STA-TUS button. Repeat steps 6-7 using a different code for your brand, if available.
- If the Cable Box does not respond to any of the codes, press the MENU button to remove the menu. CABLE BOX CONTROL IS OFF will appear on the screen briefly.

8

Press the PLAY ▲ or STOP ▼ button to select YES, then press the OK/STATUS button. "CABLE BOX CONTROL IS ON" will appear for five seconds. "AS A RESULT AUTO CLOCK WILL BE TURNED OFF" also may appear on the screen.

Helpful Hints

- *If your Cable Box does not respond to any of the codes at step 7, the Controller will not change channels at the Cable Box during a timer recording. You must select the channel to be recorded at the Cable Box before a timer recording begins. Enter the Cable Box output channel at step 3 on page 40. Leave the Cable Box on for the timer recording. See page eight for details. You may want to exchange your current Cable Box for one that can be controlled by the VCR's Controller.*
- *The Controller can change channels at the Cable Box only during a timer recording.*

• If you use a DBS, you must set the clock manually. *Details are on pages 14-15.*
• Complete the steps on page 27 before proceeding. This will allow you to use the VCR remote control to operate the DBS, and you will learn your DBS code.

1
Turn on the DBS. Select a channel other than 205.

2
Press the VCR button, then press the MENU button.
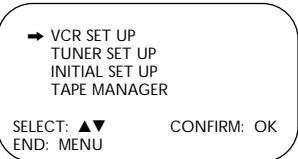
```
➡ VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER

SELECT: ▲▼        CONFIRM: OK
END: MENU
```

3
Press the PLAY ▲ or STOP ▼ button to select INITIAL SET UP, then press the OK/STATUS button.

```
➡ CLOCK
   LANGUAGE        ENGLISH
   VCR PLUS+ CH.
   CABLE BOX
   DBS RECEIVER

SELECT: ▲▼        CONFIRM: OK
END: MENU
```
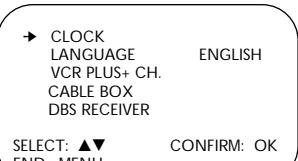
4
Press the PLAY ▲ or STOP ▼ button to select DBS RECEIVER, then press the OK/STATUS button.

```
DBS RECEIVER CONTROLLER
            OFF
➡  OFF           CH. =CHANNEL
   ON  CH. 3
   ON  CH. 4
   ON  A/V FRONT
   ON  A/V REAR

SELECT: ▲▼        CONFIRM: OK
END: MENU
```
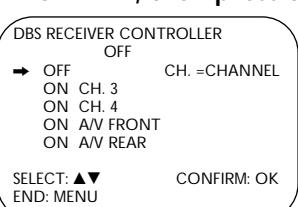
5
Press the PLAY ▲ or STOP ▼ button to select the output channel of your DBS receiver, then press the OK/STA-TUS button. The display shown below will appear. If DBS RECEIVER USERS SET CLOCK MANUALLY appears, follow steps 4-8 on page 15, then go to step 6 on page 54.

```
   SELECT CODE NUMBER
   OF YOUR DBS RECEIVER
            40

REFER TO
INSTRUCTION BOOK

SET: ▲▼
TEST: OK
END: MENU
```
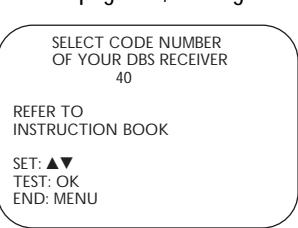
Instructions continue on page 54.

1
Turn on the DBS. Select a channel other than 205.

2
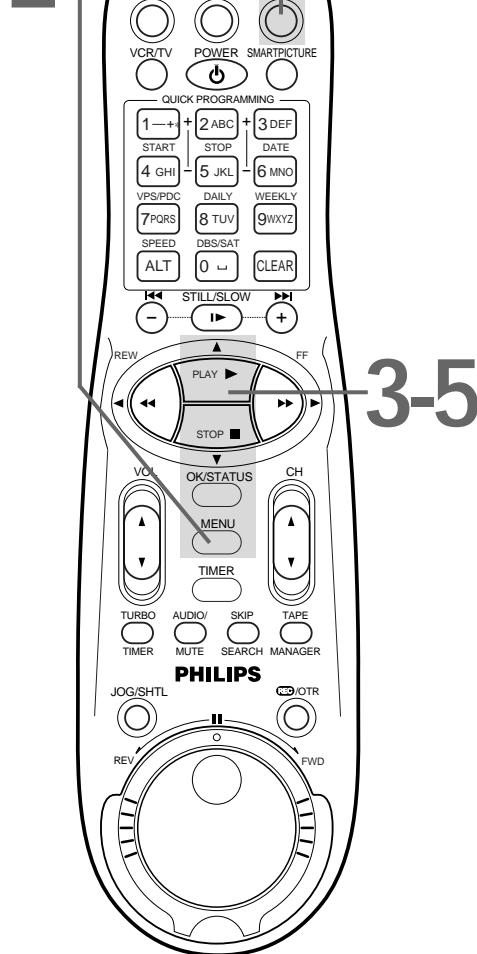
3-5

Helpful Hint

• *The Controller can change channels at the DBS only during a timer recording.*

6

Press the PLAY ▲ or STOP ▼ button to set the two-digit code for your DBS (see list below), then press the OK/STATUS button.

```
SELECT CODE NUMBER
OF YOUR DBS RECEIVER
        40

DID DBS RECEIVER
CHANGE TO CHANNEL 205?
     ➡ YES
       NO
SELECT: ▲▼        CONFIRM:OK
END: MENU
```
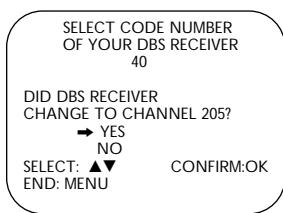
DBS CODES
MAGNAVOX DBS..42, 43
RCA DBS..40
SONY DBS..41

7

Wait for a few seconds.

• If the DBS changes to channel 205, go to step 8.
• If the DBS doesn't change to channel 205, press the PLAY ▲ or STOP ▼ button to select NO, then press the OK/STATUS button. Repeat steps 6-7, using a different code for your brand (if available).
• If the DBS does not respond to any of the codes, press the MENU button to remove the menu. DBS RECEIVER CONTROL IS OFF will appear on the screen briefly.

8

Press the PLAY ▲ or STOP ▼ button to select YES, then press the OK/STATUS button. "DBS RECEIVER CONTROL IS ON" will appear for five seconds. "AS A RESULT AUTO CLOCK WILL BE TURNED OFF" may appear on the screen also.

7 Wait for a few seconds.
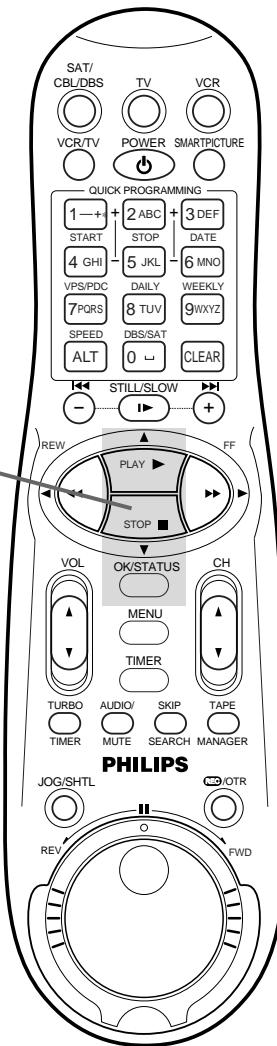
6-8

Helpful Hint

• *If your DBS does not respond to the code at step 7, the Controller will not change channels at the DBS during a timer recording. In this case, you must select the channel to be recorded at the DBS before a timer recording begins. Enter the DBS output channel at step 3 on page 40. Leave the DBS on for the timer recording. Details are on page eight.*

This VCR can receive and record programs broadcast in stereo or second audio. It can also play back tapes recorded in stereo or second audio.

• **Second Audio** You can program your VCR so you can hear a program that is being broadcast in second audio or a tape that was recorded in second audio. A second audio broadcast is usually a program in a second language. Follow the steps on page 56 to receive or record this type of program.
• **Hi-Fi Stereo Playback** If a tape is recorded in stereo, you can program your VCR to play a tape in Hi-Fi (high fidelity) stereo. Follow the steps on page 57.
• **Hi-Fi Stereo Recording** If a TV program is broadcast in stereo, you can program your VCR to receive and record the program in Hi-Fi stereo. You must program the VCR and make the appropriate stereo hookups. Follow the steps on page 56. To playback this type of program, follow the steps on page 57.

Receiving a Stereo Broadcast

When a TV program is being broadcast in stereo, STEREO will appear in the on-screen status display. You still have to program your VCR to receive and record the stereo broadcast. Follow the steps on page 56.

```
STOP               12:00 AM
STEREO              CH. 10

          AUTO

REMAINING
TIME      0:45
SLP     1:23:45      HIFI
```

## Receiving a Second Audio Program

If a program is being broadcast in second audio, SAP (Second Audio Program) will appear in the on-screen status display. You still have to program your VCR to receive and record the second audio program. Follow the steps on page 56.
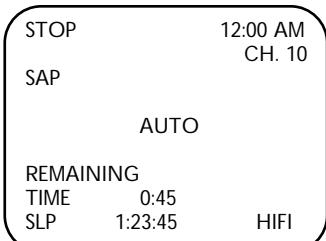
```
STOP               12:00 AM
                    CH. 10
SAP

          AUTO

REMAINING
TIME      0:45
SLP     1:23:45      HIFI
```

To receive and record programs broadcast in second audio, follow steps 1-6. To receive and record a program broadcast in stereo, make one of the connections shown, then follow steps 1-6.

If you have a Stereo and a Monitor TV, use a video cable to connect the VCR's VIDEO OUT Jack to the TV's VIDEO IN Jack. Use audio cables to connect the VCR's AUDIO OUT Jacks to the Stereo's AUDIO IN Jacks.
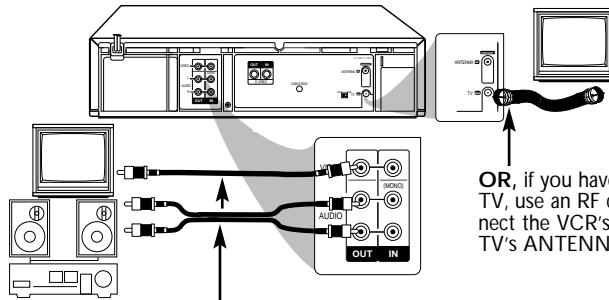
OR, if you have a single-speaker TV, use an RF coaxial cable to connect the VCR's TV OUT Jack to the TV's ANTENNA IN Jack.

1

Press the VCR button, then press the MENU button.

```
→  VCR SET UP
    TUNER SET UP
    INITIAL SET UP
    TAPE MANAGER

SELECT: ▲▼          CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
→  DSPC                  ON
    ON SCREEN MODE       ON
    BLUE BACKGROUND      ON
    TIMER REC SPEED      MANUAL
    VIDEO STABILIZER     OFF
    AUDIO OUT            HIFI
    NEXT PAGE
SELECT: ▲▼          CHANGE: ▶
END: MENU
```

3

Press the STOP ▼ button repeatedly to select NEXT PAGE. STEREO/SAP will be selected on the second page of the VCR SET UP menu.

```
    PREVIOUS PAGE
→  STEREO/SAP           STEREO
    AUTO DBS
      RECORD LINK        OFF
    S-VHS MODE           ON
    FRONT A/V INPUT      VIDEO
    REAR A/V INPUT       VIDEO

SELECT: ▲▼          CHANGE: ▶
END: MENU
```

4

Press the FF ▶ button so that SAP (for a Second Audio Program) or STEREO appears beside STEREO/SAP.

5

Press the MENU button.

6

Record the program as usual. *Details are on page 30.*

Helpful Hints

- *If you want to connect the VCR to a Stereo TV, follow these steps.*
  1) Connect the antenna or cable signal to the VCR's ANTENNA IN jack.
  2) Use stereo audio cables to connect the VCR's AUDIO OUT jacks to the TV's AUDIO IN jacks.
  3) Use a video cable to connect the VCR's VIDEO OUT jack to the TV's VIDEO IN jack. (Or, to improve picture quality, you may connect an S-Video cable to the S-VIDEO OUT jack on the VCR and to the S-VIDEO IN jack on the TV instead. This is available for VR1010BP only.)

- *Make sure the TV and the Stereo (if applicable) are in Line Input or Auxiliary mode. Please refer to your TV or Stereo owner's manual for details.*

- *S-VHS MODE, FRONT A/V INPUT and REAR A/V INPUT will not appear in the VCR SET UP menu if you have the VR810BPH.*

If a tape is recorded in Hi-Fi stereo, follow the steps below to play the tape in Hi-Fi stereo.

1

Press the VCR button, then press the MENU button.
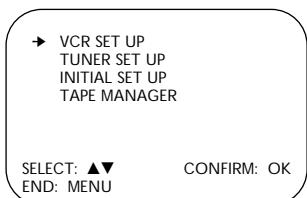
```
→ VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER


SELECT: ▲▼          CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
→ DSPC                 ON
   ON SCREEN MODE      ON
   BLUE BACKGROUND     ON
   TIMER REC SPEED     MANUAL
   VIDEO STABILIZER    OFF
   AUDIO OUT           HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE: ►
END: MENU
```

3
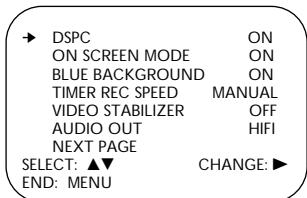
Press the STOP ▼ button repeatedly to select AUDIO OUT on the first page of the VCR SET UP menu, then press the FF ► button so that HIFI appears beside AUDIO OUT.

```
   DSPC                 ON
   ON SCREEN MODE      ON
   BLUE BACKGROUND     ON
   TIMER REC SPEED     MANUAL
   VIDEO STABILIZER    OFF
→ AUDIO OUT           HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE: ►
END: MENU
```

4
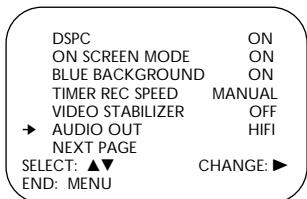
Press the MENU button.

5

Press the PLAY ▲ button to start tape playback.
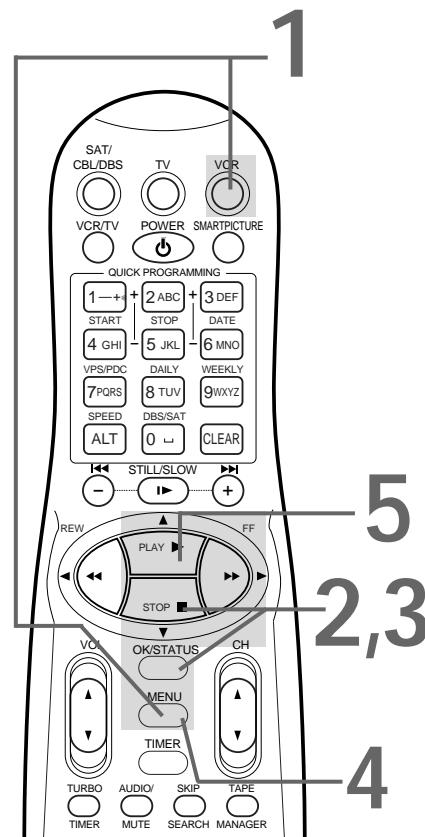
Helpful Hints

- During playback, Hi-Fi stereo may temporarily revert to normal audio when you adjust tracking. This is normal.
- If Hi-Fi stereo continually reverts to normal audio during playback, you may want to press the FF ► button to select MONO at step 3.
- Only tapes recorded in Hi-Fi stereo will play in Hi-Fi stereo. Tapes recorded in normal audio will play in normal audio.
- You may also select HIFI or MONO by pressing the VCR button, then repeatedly pressing the AUDIO/MUTE button on the remote control.

58 Video Stabilizer

You can correct vertical vibration when playing tapes. When
VIDEO STABILIZER is set to ON, vertical vibration will be cor-
rected automatically.
Follow the steps below to set VIDEO STABILIZER to ON or
OFF.

1

Press the VCR button, then press the MENU button.
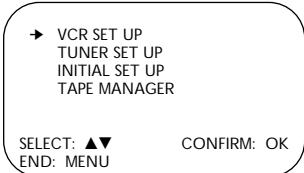
```
→  VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER


SELECT: ▲▼          CONFIRM: OK
END: MENU
```

2

**Press the PLAY ▲ or STOP ▼ button to select VCR SET
UP, then press the OK/STATUS button.**

```
→  DSPC               ON
   ON SCREEN MODE     ON
   BLUE BACKGROUND    ON
   TIMER REC SPEED    MANUAL
   VIDEO STABILIZER   OFF
   AUDIO OUT          HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE: ▶
END: MENU
```

3
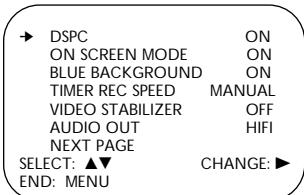
**Press the STOP ▼ button repeatedly to select VIDEO
STABILIZER on the first page of the VCR SET UP menu,
then press the FF ▶ button so that ON (or OFF) appears
beside VIDEO STABILIZER.**

```
   DSPC               ON
   ON SCREEN MODE     ON
   BLUE BACKGROUND    ON
   TIMER REC SPEED    MANUAL
→  VIDEO STABILIZER   ON
   AUDIO OUT          HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE: ▶
END: MENU
```

4
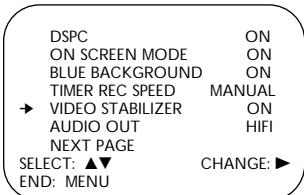
Press the MENU button.
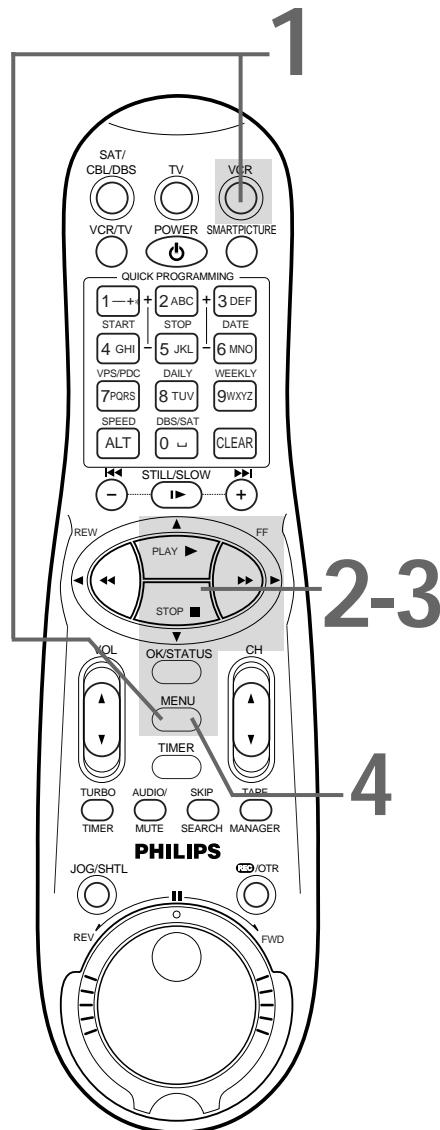
Helpful Hint

• *Regardless of the setting, this fea-
ture has no effect during recording
or special effects playback.*

You can make the tape playback picture softer, sharper, more natural, or more distinct by adjusting the SmartPicture setting. Follow the steps below to adjust the SmartPicture setting.

1

Press the VCR button, then press the SMARTPICTURE button. The current setting will appear on the screen for about five seconds.
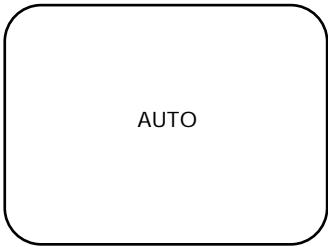
AUTO

2

While the setting appears, press the SMARTPICTURE button repeatedly to choose DISTINCT, SOFT, SHARP, or AUTO/NATURAL (depending on the setting of DSPC).

AUTO/NATURAL: This is generally the preferred setting. If DSPC is ON, AUTO may be selected. This means the VCR is setting the picture quality with DSPC. If DSPC is OFF, the SmartPicture setting may be NATURAL, meaning the original picture appears and the VCR does not adjust the picture quality. *Details about DSPC are on page 60.*

DISTINCT: Choose to emphasize details in the picture.
SOFT: Choose to soften the picture.
**SHARP**: Choose to emphasize the edge of the picture.
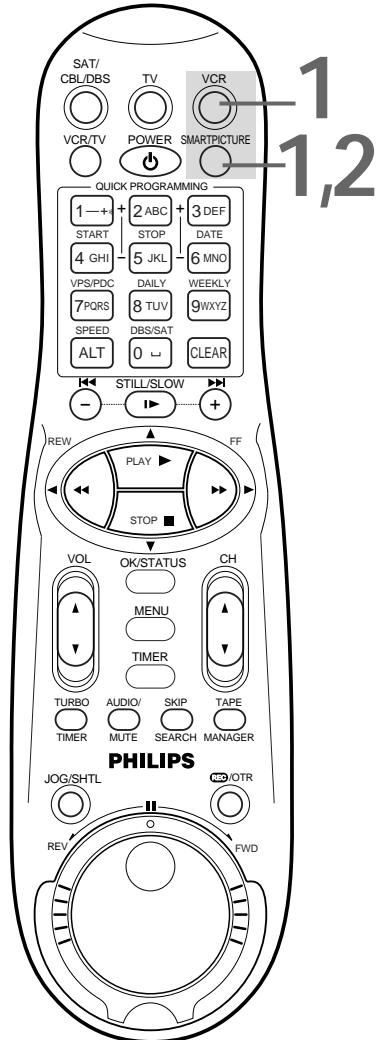
The Digital Studio Picture Control (DSPC) checks the condition of
the tape during recording and playback, then makes adjustments
to provide the highest possible picture quality.
To set DSPC to ON or OFF, follow these steps.
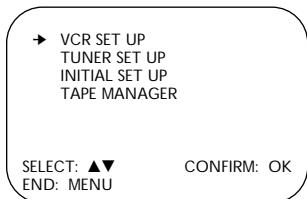
1

Press the VCR button, then press the MENU button.

```
→  VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER



SELECT: ▲▼          CONFIRM: OK
END: MENU
```

2

**Press the PLAY ▲ or STOP ▼ button to select VCR SET
UP, then press the OK/STATUS button.**

```
→  DSPC                ON
   ON SCREEN MODE      ON
   BLUE BACKGROUND     ON
   TIMER REC SPEED     MANUAL
   VIDEO STABILIZER    OFF
   AUDIO OUT           HIFI
   NEXT PAGE
SELECT: ▲▼          CHANGE: ►
END: MENU
```
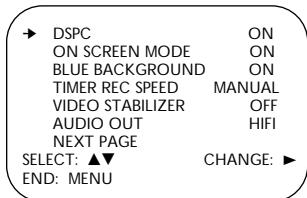
3

DSPC will be selected. **Press the FF ► button so that ON
appears beside DSPC.**

4

Press the MENU button.
If DSPC is ON, the DSPC will work for both playback and record-
ing.
• **For recording**, DSPC will appear briefly on the display panel
  when you start a recording.
• **For playback**, DSPC may appear briefly on the display panel at
  the beginning of playback. The VCR will adjust the picture quality
  based on the condition of the tape in use.
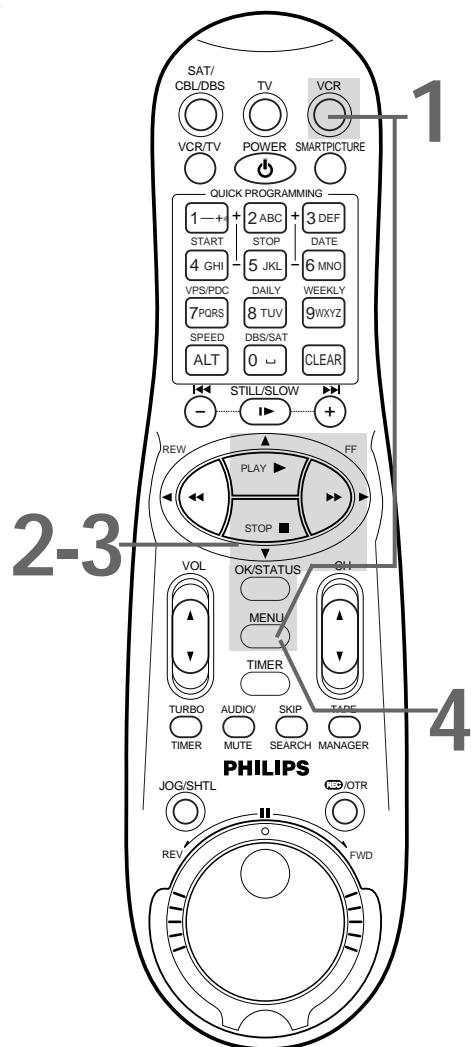
Helpful Hints

- *DSPC does not work during a
  Record Link.*
- *DSPC makes its adjustments before
  a timer recording begins.*
- *Since DSPC makes its adjustments
  before recording actually starts,
  there may be a brief delay after the
  REC(ord)/OTR button is pressed. To
  begin recording immediately, set
  DSPC to OFF.*
- *If you stop or pause recording or
  playback, DSPC may not appear on
  the display panel when you resume
  recording or playback. DSPC may
  appear on the display panel only
  immediately after you insert a tape
  and begin recording or playback.*

Index Search

When you make a recording, the VCR automatically places an index code at the beginning of the recording. Essentially, an index code is a type of "bookmark" for your tape. This feature is useful if you have several different programs recorded on a single tape. Fast forward or rewind to the next or previous index code on the tape by following the steps below.

1

Press the VCR button. Make sure the VCR is in VCR position. (The VCR light will appear on the display panel when the VCR is in VCR position.) **If the VCR light does not appear, press the VCR/TV button once.**

2

Insert a tape in the VCR. Press the INDEX SEARCH ▶▶I button to fast forward to the next index code on the tape. Or, press the INDEX SEARCH button I◀◀ to rewind to the previous index code on the tape (or to the beginning of the current recording).Wait for the VCR to fast forward or rewind the tape.When the index code is reached, tape playback will begin automatically.

NOTE: You may press an INDEX SEARCH button repeatedly to skip over multiple recordings. For example, if you want to fast forward past four recordings, press the INDEX SEARCH ▶▶I button four times. INDEX 4 will appear in the bottom right corner of the screen. The index codes will count down on the screen as the search progresses. (ON SCREEN MODE can not be set to OFF. *Details are on page 28.*)
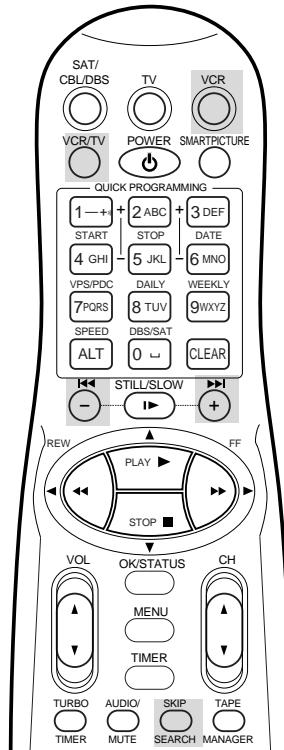
Skip Search

This function enables you to skip forward 30 seconds at a time during tape playback.

1

During tape playback, press the VCR button, then press the SKIP SEARCH button. Each time you press the SKIP SEARCH button, the tape will skip forward 30 seconds, then resume normal playback. You can skip up to two minutes at a time using Skip Search.

Helpful Hints

- *To stop an Index Search that is in progress, press the STOP ▼ button.*
- *The VCR does not place an index code at the point where a recording is paused, then resumed.*
- *INDEX may flash on the screen briefly when you begin a recording.*
- *Press the STOP ▼ button to cancel a Skip Search.*
- *If the end of the tape is reached during a Skip Search or an Index Search, the VCR will cancel the search and rewind the tape.*
- *The Index Search will not work if the Tape Manager is in use. Details are on pages 64-73.*

Forward and Reverse Searching

1

During tape playback, press and release the FF ▶ button or the REW(ind) ◀ button. A fast forward or reverse picture search will begin.

2

To return to playback, press the PLAY ▲ button.

Viewing a Still Picture

1

During tape playback, press the STILL/SLOW �ŧ▶ button. A still picture will appear on the screen.

2

To advance the still picture frame by frame, press the STILL/SLOW ⅰ▶ button repeatedly.

3

To return to playback, press the PLAY ▲ button.

Viewing a Slow Motion Picture

1

During tape playback, press and hold the STILL/SLOW ⅰ▶ button for three seconds. The tape will play in slow motion.

2

During slow motion playback, press the STILL/SLOW - button once to slow the speed of slow motion playback. Press the STILL/SLOW - button again; the tape will play in reverse slow motion. During slow motion playback, press the STILL/SLOW + button to quicken the slow motion playback or to change from reverse slow motion playback to forward slow motion playback.

3

To return to normal playback, press the PLAY ▲ button.

Repeat Playback

1

Press and hold the PLAY ▲ button until the ▷ light flashes on the display panel. Now, when a tape has finished playing, the VCR will rewind it and start playback again. The VCR will play the tape 100 times. The ▷ light on the display panel will flash during tape playback and while rewinding. TV programming will appear while the tape is rewinding.
Repeat Playback will be cancelled if you press the STOP ▼, STILL/SLOW ⅰ▶, FF ▶, or REW(ind)◀ buttons.
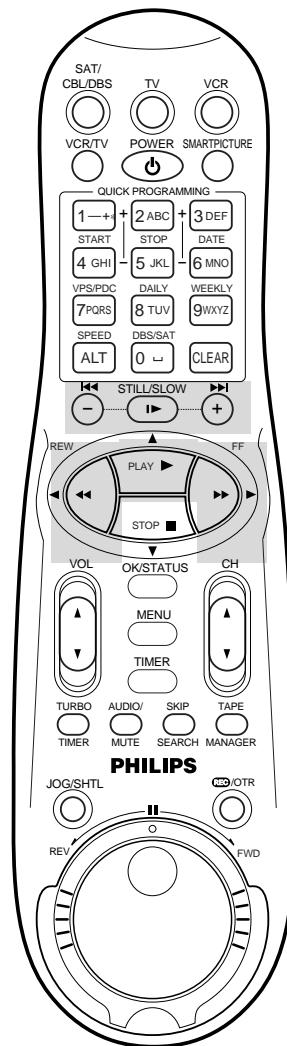
Helpful Hints

- *During Search, Slow, and Still modes, there will be no sound.*
- *Slow and Still modes automatically switch to Stop mode after five minutes to protect the VCR and the tape from damage.*
- *During Forward or Reverse Searching, noise bars will appear on the screen.*
- *You may only view a tape in Slow Motion if the tape is recorded in SP or SLP speed.*
- *You may press and hold the FF ▶ button or the REW(ind) ◀ button for a fast forward or reverse picture search. When you release the button, normal playback will resume.*

Viewing a Picture in Slow to Fast Motion

1

During tape playback or Still mode, press the JOG/SHTL (shuttle) button on the remote control. The JOG/SHTL button will light.

2

Next, turn the outer ring (the Shuttle ring) in either direction. The farther the ring is rotated, the faster the search speed. Releasing the ring stops the picture in the Still mode.

3

Or, turn the inner dial (the Jog Dial) in either direction. The tape will move frame-by-frame at the speed with which the dial is turned.

4

Press the PLAY ▲ button to return to normal playback.
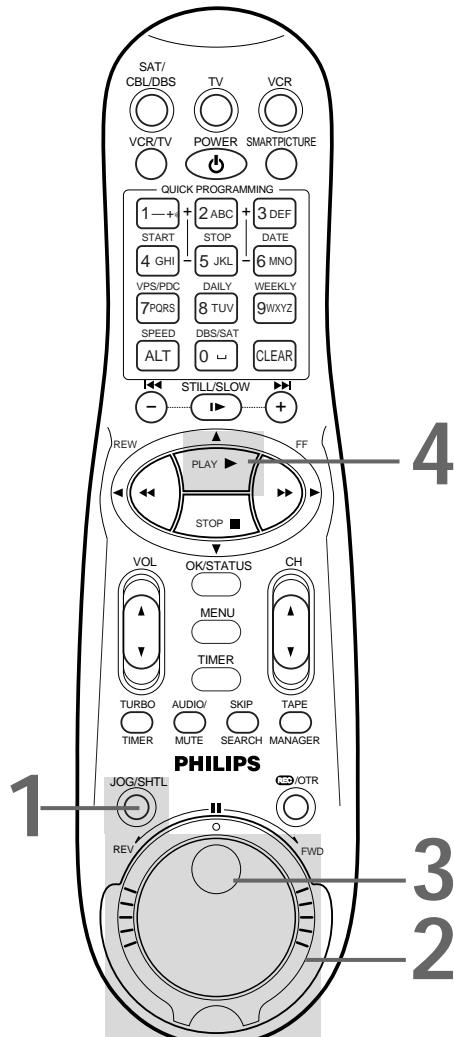
Helpful Hints

- *The JOG/SHTL button will remain lit for 60 seconds if no buttons are pressed.*
- *You can use the Shuttle Ring/Jog Dial on the front of the VCR in the same manner as the Shuttle Ring/Jog Dial on the remote control. The JOG/SHTL button is not necessary when using the Shuttle Ring/Jog Dial on the VCR.*
- *The Shuttle Ring/Jog Dial on the remote control will only operate when the JOG/SHTL button is lit.*

64 Tape Manager

The Tape Manager will tell you:
• on which tape you have recorded programs,
• on which tape you have enough blank space for new recordings, and
• what recordings are on a tape.
Information about every recording made on this VCR will be memorized (date, start and stop time, length, and channel). Tapes will have a unique number to identify them.

Find a Title
This function is useful when you wish to quickly find out what programs you have recorded on a tape using this VCR. It allows you to select a program to watch, then automatically searches for the start of the program and begins playback.

1

Insert a tape that was recorded with this VCR.
The tape will run for a few seconds while the VCR searches
for the tape number. The tape number will appear briefly.

2

**Press the VCR button, then press the TAPE
MANAGER button.** The directory screen will appear
within a few seconds. If no cassette is in the VCR, "NO CASSETTE"
appears on the screen briefly, followed by the FIND TITLE menu.

Tape Title or date of recording

Current tape number   Current page/Total pages

Recording date

Recording start time

blank portion

Recorded channel

Details of selected program

```
]   0013 FOOTBALL              1/3
         BLANK 1:25 (SLP)
    10:00PM  02/26/00     CH30
    08:00PM  02/27/00     CH10
   *09:00PM  02/28/00     CH25
   *10:15PM  02/28/00     CH56
    09:00P[  10:30P  1:30 (SLP)
   WORLD CUP            /SPORTS

   SELECT: ▲▼      CONFIRM: OK
   END:  TAPE MANAGER
```

"*" Current tape position

3

**Press the PLAY ▲ button or the STOP ▼ button to select
the program you want to watch.**

4

Press the OK/STATUS button. The VCR will find the selected
program, then start playback automatically. Press the STOP ▼ button to stop playback.

2

3-4
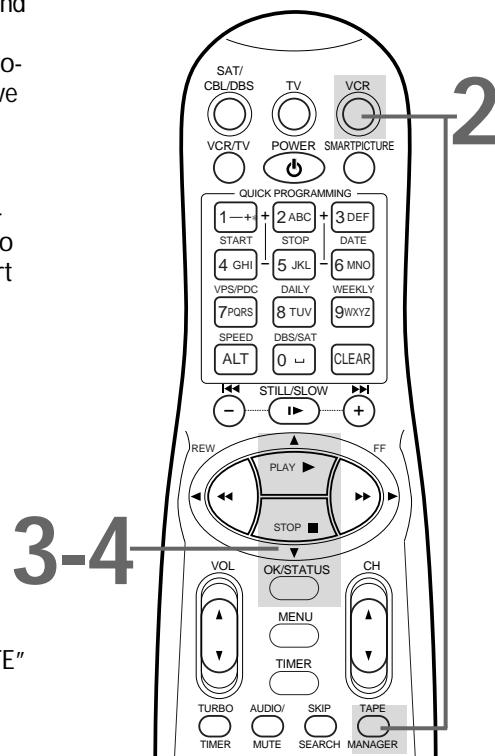
Helpful Hints

• *Tape Manager only memorizes recordings made with this VCR.*
• *Make sure the VCR's clock is set correctly before recording.*
• *If the Tape Manager does not show the content of the inserted tape, rewind or fast forward the tape to a recent recording, then press the TAPE MANAGER button again.*
• *If the power fails, the Tape Manager information may be lost.*
• *Tape Manager only memorizes recordings that are more than five minutes long (if in SP) or 15 minutes long (if in SLP).*
• *The Tape Manager directory screen may not appear if the information can't be found. The] - * - - symbol will appear briefly after you press the TAPE MANAGER button, indicating that the VCR is searching for the information.*

Check Memory

Follow the steps below to check the amount of memory used by the VCR for the Tape Manager. When all the memory is used, no more Tape Manager information can be stored. To store more information, you must first delete some information. *Details are on page 72.*

1

Press the VCR button, then press the MENU button.

```
➔ VCR SET UP
   TUNER SET UP
   INITIAL SET UP
   TAPE MANAGER


SELECT: ▲ ▼          CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
        TAPE MANAGER

➔    EDIT TITLE
     FIND TITLE
     FIND BLANK SPACE
     CHECK MEMORY
     TAPE MANAGER        : ON

SELECT: ▲▼          CONFIRM: OK
END:  MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select CHECK MEMORY.

```
        TAPE MANAGER

     EDIT TITLE
     FIND TITLE
     FIND BLANK SPACE
➔    CHECK MEMORY
     TAPE MANAGER        : ON


SELECT: ▲▼          CONFIRM:  OK
END:  MENU
```

4

Press the OK/STATUS button.
The "CHECK MEMORY" screen appears.

```
        CHECK MEMORY

0                           100
5 5 5 5 5 5– – – – – – – – – –


END : MENU
```

5

Press the MENU button.
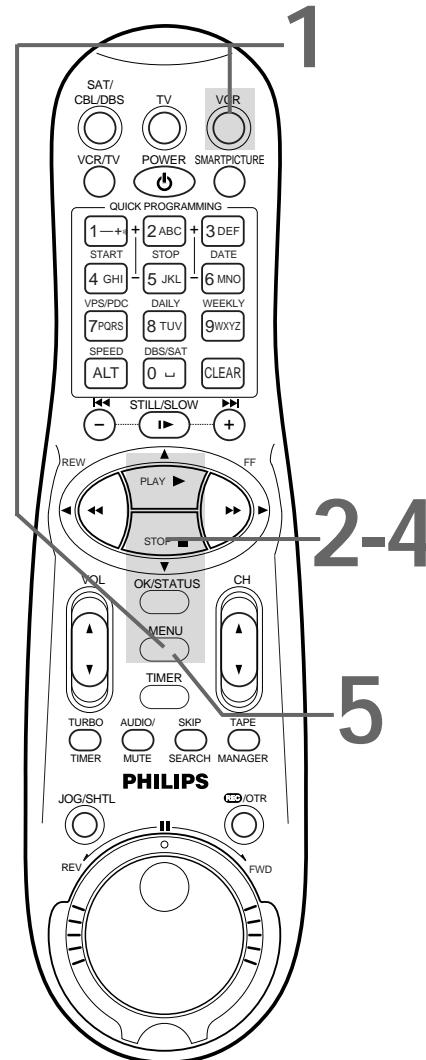
Helpful Hints

• *In order for the memory information to appear at step 4, you must have made several recordings on this VCR. If you have not made enough recordings, no indicators will appear on the scale at step 4; you have plenty of memory available.*

Edit Title

When you record a TV program with this VCR, the VCR automatically memorizes the recording start and stop time, date, and channel for each program. You can edit the tape title and program titles as you like, as well as put the programs into a category.

1

Press the VCR button, then press the MENU button. Then, press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
        TAPE MANAGER

  →   EDIT TITLE
      FIND TITLE
      FIND BLANK SPACE
      CHECK MEMORY
      TAPE MANAGER        :    ON

   SELECT: ▲▼          CONFIRM : OK
   END : MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select EDIT TITLE, then press the OK/STATUS button.

```
    ]                              1/17
     0115    MOVIE1
   →0114    03/18/00
     0113    02/19/00
     0112    01/25/00
     0111    MOVIE2
     0110    BASEBALL
     0106    BEST HIT
   SELECT: ▲▼          CONFIRM: OK
   END: MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select the tape you want to edit, then press the OK/STATUS button.

```
   ▸]    0114 03/18/00 -          1/1
     08:00PM 04/07/00          CH30
     10:00PM 04/08/00          CH10
     07:00PM 04/13/00          CH25


   SELECT: ▲▼
    EDIT: OK
    DELETE  ]   : CLEAR
   END: MENU
```
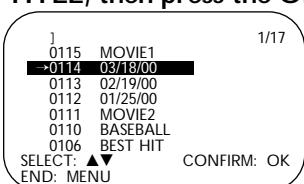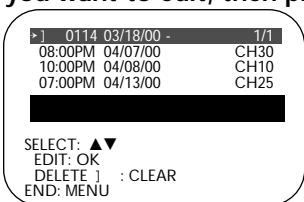
4

To edit the Tape Title, press the PLAY ▲ or STOP ▼ button to select the Tape Title, then press the OK/STATUS button. The tape title will flash. **To edit a Program Title or Category, skip to step 6.**

5

Press the Number buttons and the FF ▶ and REW(ind) ◀ buttons to enter characters, then press the OK/STATUS button when you have finished the tape title. Refer to "Entering Characters" on the next page. **If you want to edit the Program Title and Category, go to step 6 now. If you are finished editing, go to step 9 now.**
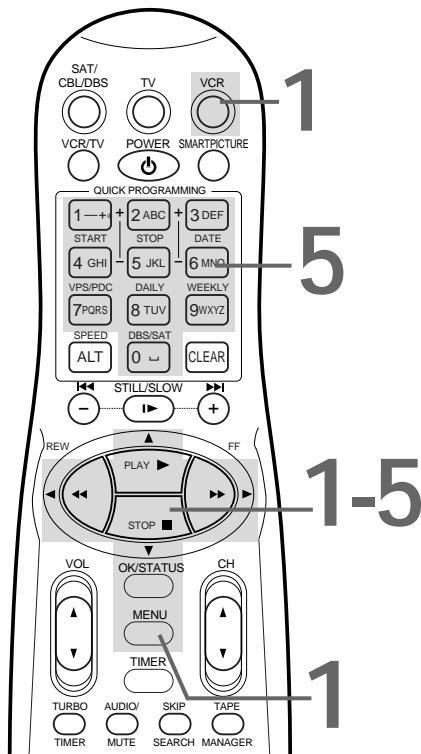

Helpful Hints

- *At step 4, you can only select the Tape Title on the first page. For example, 1/3 will appear in the upper right corner. The tape title will be highlighted in red when you select it.*
- *If the tape is being recorded for the first time, the tape number and the date are recorded as the tape title.*
- *If you don't see the tape title or program title you want, press the PLAY ▲ or STOP ▼ button repeatedly to see the other lists. (The number of lists, or pages, appears in the upper right corner of the screen.)*
- *Tape titles may have up to 10 characters.*
- *If the VCR finds two tape numbers on one tape, the tape will be assigned with the lower number of these two numbers when you eject the tape.*
- *You can not select EDIT TITLE during recording. You must wait until recording is finished.*

6

To edit the Program Title and Category, press the PLAY ▲ or STOP ▼ button to select the program title you want to edit (it will be highlighted in red), then press the OK/STATUS button. TITLE will flash in the red box at the bottom of the list.

```
]  0114  03/18/00           1/ 3
▶ 08:00PM  04/07/00          CH30
  10:00PM  04/08/00          CH10
  07:00PM  04/13/00          CH25
  08:00P▶  09:30P         1:30 (SLP)
  TITLE              /CATEGORY
SELECT: ▲▼
  EDIT:  OK
  DELETE : CLEAR
END: MENU
```

selected program

details of selected program
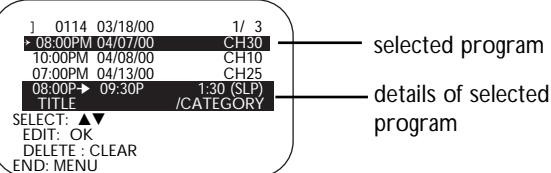
7

While TITLE is flashing, press the Number buttons to enter characters for the program title (refer to Entering Characters), then press the OK/STATUS button when the program title is complete. (The program title may have up to 15 characters.) Next, the CATEGORY will flash.

8

While CATEGORY is flashing, press the PLAY ▲ or STOP ▼ button to select one of the following categories: MOVIE, SPORTS, SHOW, SERIES, NEWS, CHILDREN, SHOPPING, or CATEGORY (generic). The names of categories can not be edited. **When the category you want appears, press the OK/STATUS button.**

9

Press the MENU button.

Entering Characters

Press a Number button repeatedly until you see the character you want. Press the FF 4 button or a different Number button to go to the next character space. For example, refer to the sample below to enter NEWS 7.

1. Press the Number 6 (MNO) button twice to enter "N." Press the FF 4 button.
2. Press the Number 3 (DEF) button twice to enter "E," then press the FF 4 button.
3. Press the Number 9 (WXYZ) button once to enter "W."
4. Press the Number 7 (PQRS) button four times to enter "S."
5. Press the Number 0 (⎵) button twice to enter a space.
6. Press the Number 7 (PQRS) button five times to enter "7."

- If you make a mistake, press the REW 1 or FF 4 button to select the character (it will flash when selected), then press the CLEAR button to erase the character. Enter the correct character.
- If you want to delete a character, press the REW 1 or FF 4 button to select the character, then press the CLEAR button.
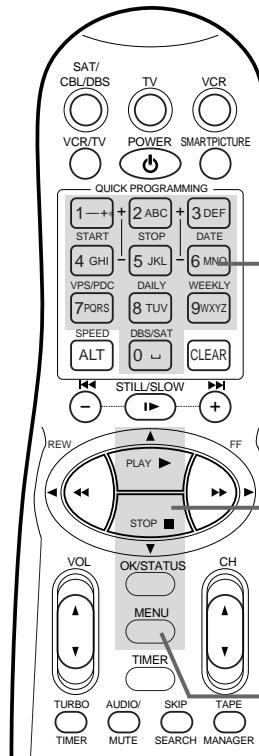
| *Button*	*Character*
1	. , ? – + * / ( )1
2	A B C 2 Ä Â À Á Å Ã Ç
3	D E F 3 Ê È É Ë
4	G H I 4 Ï Î Ì Í
5	J K L 5
6	M N O 6 Ñ Ö Ô Ò Ó Õ
7	P Q R S 7
8	T U V 8 Ü Ù Ú Û
9	W X Y Z 9
0	0 _

There are three ways to find the tape on which a program was recorded.

• **Tape Number:** This allows you to review all the programs on each tape you have recorded with this VCR. Follow the steps on this page.

• **Date:** This is useful if you remember when the desired program was recorded. To see all the programs recorded on a certain date, follow the steps on page 69.

• **Category:** This is useful if you remember the category under which you filed the program. To see all the programs in a specific category, follow the steps on page 70.

Sorting by Tape Number

1

Press the VCR button, then press the MENU button. Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
        TAPE MANAGER

   →    EDIT TITLE
        FIND TITLE
        FIND BLANK SPACE
        CHECK MEMORY
        TAPE MANAGER      :    ON

   SELECT: ▲▼          CONFIRM: OK
   END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select FIND TITLE, then press the OK/STATUS button.

```
        FIND TITLE

   →   BY TAPE NO.
       BY DATE
       BY CATEGORY

   SELECT: ▲▼          CONFIRM:  OK
   END: MENU
```

3
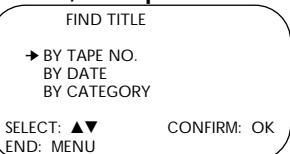
Press the PLAY ▲ or STOP ▼ button to select BY TAPE NO., then press the OK/STATUS button.

```
   ]        TITLE           11/20
   0030    WORLD NEW      04/19/00
   0030    08  0900P      07/25/00
   0030    MUSIC          07/23/00
 → 0030    FOOTBALL       07/19/00
   0029    007 GOLDE      10/28/00
   0028    20  1000P      06/20/00
   0028    35  0800P      06/08/00
   SELECT: ▲▼          SEARCH: OK
   PAGE: 1   4         END: MENU
```

4
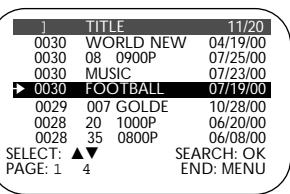
The program titles are sorted by the tape number, with the highest tape number first. Press the PLAY ▲ or STOP ▼ button to select the program title you want, then press the OK/STATUS button.

• If the tape currently in the VCR is the required tape: The VCR searches and starts playback when the selected program is located.

• If the tape currently in the VCR is not the required tape: "INSERT TAPE 0030" (for example) appears on the screen and the current tape is ejected. Insert the correct tape. The VCR searches the correct tape and starts playback when the selected program is located.

• If no cassette is in the VCR: "INSERT TAPE 0030" (for example) appears. Insert the correct tape. The VCR searches the correct tape and starts playback automatically when the selected program is located.

Helpful Hint

• *If you are asked to insert a different tape and you put in the wrong tape, it will be ejected. Insert the requested tape. Or, press the MENU button to cancel the Tape Manager request.*

Sorting by Date

1

Press the VCR button, then press the MENU button. Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
        TAPE MANAGER

  →    EDIT TITLE
       FIND TITLE
       FIND BLANK SPACE
       CHECK MEMORY
       TAPE MANAGER      :    ON

  SELECT: ▲▼          CONFIRM: OK
  END:  MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select FIND TITLE, then press the OK/STATUS button.

```
        FIND TITLE

  →    BY TAPE NO.
       BY DATE
       BY CATEGORY

  SELECT: ▲▼          CONFIRM:  OK
  END:  MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select BY DATE, then press the OK/STATUS button.

```
  ]          TITLE              4/20
      0023    BASEBALL          12/24/00
      0017    28 0700P          12/22/00
      0017    12 0300P          12/22/00
      0032    CAR RACE          12/21/00
  → 0007    SPORTS NE         12/18/00
      0006    34 1000P          12/18/00
      0018    LOST WORL         12/14/00
  SELECT: ▲▼              SEARCH:OK
  PAGE:  1    4           END: MENU
```

4
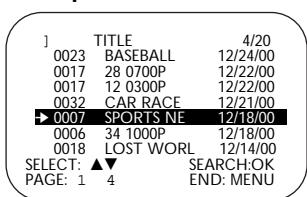
**The program titles are sorted by date, beginning with the most recent.** The dates are on the right of the list. **Press the PLAY ▲ or STOP ▼ button to select the program title you want, then press the OK/STATUS button.**

- If the tape currently in the VCR is the required tape: The VCR searches and starts playback when the selected program is located.
- If the tape currently in the VCR is not the required tape: "INSERT TAPE 0030" (for example) appears on the screen and the current tape is ejected. Insert the correct tape. The VCR searches the correct tape and starts playback when the selected program is located.
- If no cassette is in the VCR: "INSERT TAPE 0030" (for example) appears. Insert the correct tape. The VCR searches the correct tape and starts playback automatically when the selected program is located.

Helpful Hint

- *If you are asked to insert a different tape and you put in the wrong tape, it will be ejected. Insert the requested tape. Or, press the MENU button to cancel the Tape Manager request.*

Sorting by Category

1

Press the VCR button, then press the MENU button. Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

2

Press the PLAY ▲ or STOP ▼ button to select FIND TITLE, then press the OK/STATUS button.

```
     FIND TITLE

 ➔BY TAPE NO.
   BY DATE
   BY CATEGORY

 SELECT: ▲▼          CONFIRM:  OK
 END:  MENU
```

3
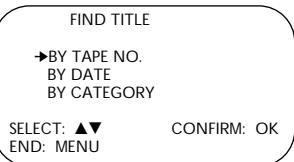
Press the PLAY ▲ or STOP ▼ button to select BY CATEGORY, then press the OK/STATUS button.

```
   ➔MOVIE
    SPORTS
    SHOW
    SERIES
    NEWS
    CHILDREN
    SHOPPING
    – – – – – – – –

 SELECT: ▲▼          CONFIRM:  OK
 END:  MENU
```

4

Press the PLAY ▲ or STOP ▼ button to select the category you want, then press the OK/STATUS button.

```
 ]       SPORTS          1/ 2
 0041  BASEBALL        11/18/00
 0035  FOOTBALL2       10/27/00
 0033  RUGBY FOO       10/19/00
 0021  BASEBALL 2      08/27/00
➔0017  BASKETBAL       08/22/00
 0016  SWIMMING        08/07/00
 0002  FOOTBALL        05/13/00
 SELECT : ▲▼        SEARCH : OK
 PAGE :1   4        END : MENU
```

If there are no programs in that category, the menu will appear as follows, for example:

```
 ]     NEWS            1/ 1
 - - - -  - - - - - - - - - -    - -/- -/- -



 END : MENU
```

5

Press the PLAY ▲ or STOP ▼ button to select the program title you want, then press the OK/STATUS button.
• If the tape currently in the VCR is the required tape: The VCR searches and starts playback when the selected program is located.
• If the tape currently in the VCR is not the required tape: "INSERT TAPE 0030" (for example) appears on the screen and the current tape is ejected. Insert the correct tape. The VCR searches the correct tape and starts playback when the selected program is located.
• If no cassette is in the VCR: "INSERT TAPE 0030" (for example) appears. Insert the correct tape. The VCR searches the correct tape and starts playback automatically when the selected program is located.

Helpful Hint

• *If you are asked to insert a different tape and you put in the wrong tape, it will be ejected. Insert the requested tape. Or, press the MENU button to cancel the Tape Manager request.*

Find Blank Space

With this function, you can find the blank space on each tape and use the space for recording.

1

Press the VCR button, then press the MENU button. Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
          TAPE MANAGER

      ➔ EDIT TITLE
        FIND TITLE
        FIND BLANK SPACE
        CHECK MEMORY
        TAPE MANAGER        : ON

   SELECT : ▲▼        CONFIRM:OK
   END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select FIND BLANK SPACE, then press the OK/STATUS button.
The area of blank space on each tape appears on the screen, starting with the largest portion of blank space. The amount of blank space is given in hours and minutes, according to the current tape speed that appears at the top of the screen beside BLANK.

```
   ]      BLANK (SP)          1/10

      0036   1 :30         SPORTS 1
     ▶0028   1 :20         09/15/00
      0039   1 : 08        11/23/00
      0017   1 : 02        SPORTS 2
      0011   0 : 55        MOVIE 2
      0001   0 : 45        MUSIC
      0006   0 : 37        MOVIE 1

   SELECT:  ▲▼        SEARCH:OK
   PAGE:  1    4      END: MENU
```

3
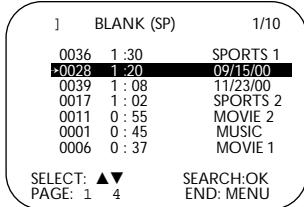
Press the PLAY ▲ or STOP ▼ button to select the tape number you want, then press the OK/STATUS button.
• If the tape currently in the VCR is the selected tape: The VCR searches the tape and stops the tape a few seconds before the blank space.
• If the tape currently in the VCR is not the selected tape: "INSERT TAPE 0030" (for example) appears on the screen and the current tape is ejected. Insert the correct tape. The VCR searches the correct tape and stops the tape a few seconds before the blank space.
• If no cassette is in the VCR: "INSERT TAPE 0030" (for example) appears. Insert the correct tape. The VCR searches the correct tape and stops the tape a few seconds before the blank space.
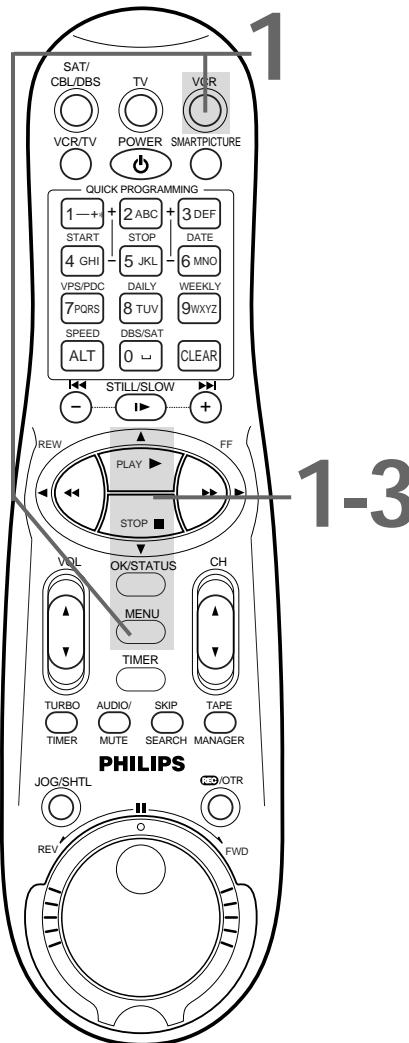
Helpful Hint

• *If you are asked to insert a different tape and you put in the wrong tape, it will be ejected. Insert the requested tape. Or, press the MENU button to cancel the Tape Manager request.*
• *Even though a portion of tape is listed as "Blank," the portion may have been recorded on another VCR. Review the tape portion to make sure it is blank.*
• *The blank portion must be at least five minutes (SP) or 15 minutes (SLP).*

Deleting Tape or Program Information

If you do not want to keep tape manager information about a particular tape or program, you can erase the information by following the steps below.

1

Press the VCR button, then press the MENU button. Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

2

Press the PLAY ▲ or STOP ▼ button to select EDIT TITLE, then press the OK/STATUS button.

```
]                          1/12
  0115    MOVIE1 -
→ 0114    03/18/00 -
  0113    02/19/00 -
  0112    01/25/00 -
  0111    MOVIE2
  0110    BASEBALL
  0106    BEST HIT
SELECT: ▲▼          CONFIRM: OK
END: MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select the tape you want to edit, then press the OK/STATUS button.

```
▶]   0114 03/18/00 -           1/1
   08:00PM 04/07/00          CH30
   10:00PM 04/08/00          CH10
   07:00PM 04/13/00          CH25


SELECT: ▲▼
 EDIT: OK
 DELETE ]   : CLEAR
END: MENU
```
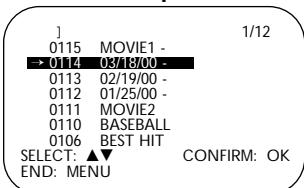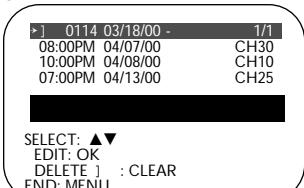
4

To delete the information for the entire tape, press the CLEAR button. To delete information for a specific program, press the PLAY ▲ or STOP ▼ button to select the program, then press the CLEAR button.

5

Press the PLAY ▲ or STOP ▼ button to select "YES," then press the OK/STATUS button. The previous screen will reappear. If you want to erase more information, repeat steps 3-5.

```
]   0114    03/18/00 -
        DELETE?

     → YES
       NO


SELECT: ▲▼          CONFIRM: OK
END: MENU
```

6
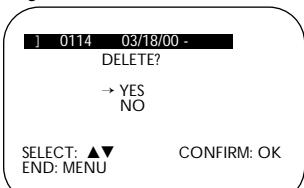
Press the MENU button.
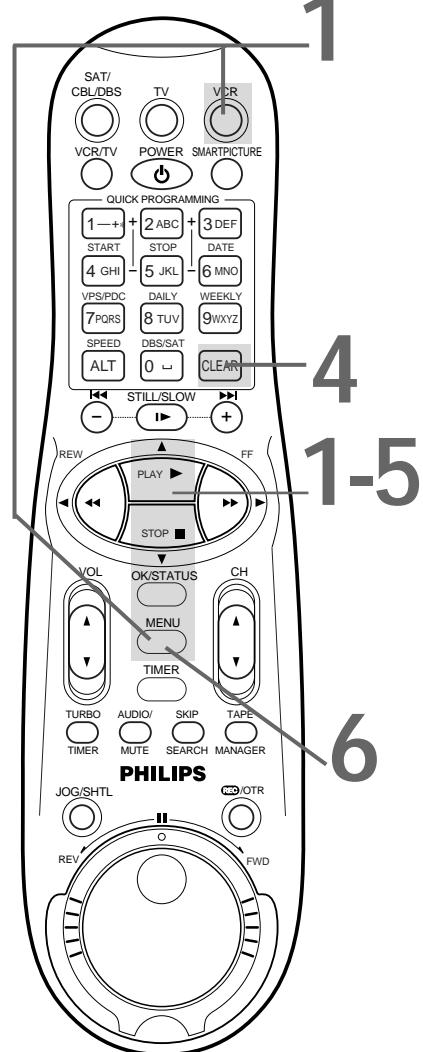
Helpful Hint

• *Only the Tape Manager information is erased. The actual recording is not erased.*

You can disable the Tape Manager if you don't want to use it.

1

Press the VCR button, then press the MENU button.

```
→ VCR SET UP
  TUNER SET UP
  INITIAL SET UP
  TAPE MANAGER

SELECT: ▲ ▼        CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the OK/STATUS button.

```
      TAPE MANAGER

→   EDIT TITLE
    FIND TITLE
    FIND BLANK SPACE
    CHECK MEMORY
    TAPE MANAGER     : ON

SELECT: ▲▼        CONFIRM : OK
END : MENU
```

3

Press the PLAY ▲ or STOP ▼ button to select TAPE MANAGER, then press the FF 4 button so that OFF appears beside TAPE MANAGER.

```
      TAPE MANAGER

    EDIT TITLE
    FIND TITLE
    FIND BLANK SPACE
    CHECK MEMORY
→   TAPE MANAGER     : OFF

SELECT: ▲▼        CHANGE : 4
END : MENU
```

4

Press the MENU button.
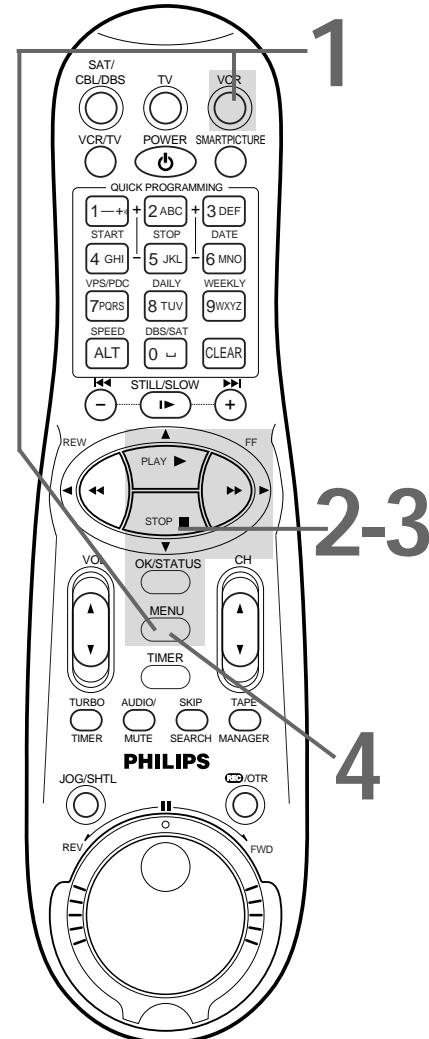
The Child Lock feature disables the buttons on the VCR and remote control.

1

When the VCR is on, press the VCR button, then press and hold the POWER button on the remote control for more than 10 seconds until "CL" flashes intermittently beside the clock on the display panel. The VCR power will turn off.

When Child Lock is activated...

• *"CL" will blink intermittently on the display panel.*
• *The remote control will still operate your TV or Cable Box/DBS if you have set it to do so. Details are on pages 26-27.*
• *The VCR power will not come on automatically if you insert a tape.*
• *Timer recordings will take place as scheduled. Make sure a tape is in the VCR before you turn on Child Lock. Make sure the VCR power is off before the recording's scheduled start time. "CL" will reappear and blink intermittently on the display panel when the timer recording is finished.*
• *To stop a timer recording that is in progress, press and hold the POWER button on the remote control for more than 10 seconds. Child Lock will be cancelled and the recording will stop.*

2

To cancel Child Lock, press the VCR button, then press and hold the POWER button on the remote control for more than 10 seconds until the VCR power comes on. "CL" will disappear from the display panel.

1-2
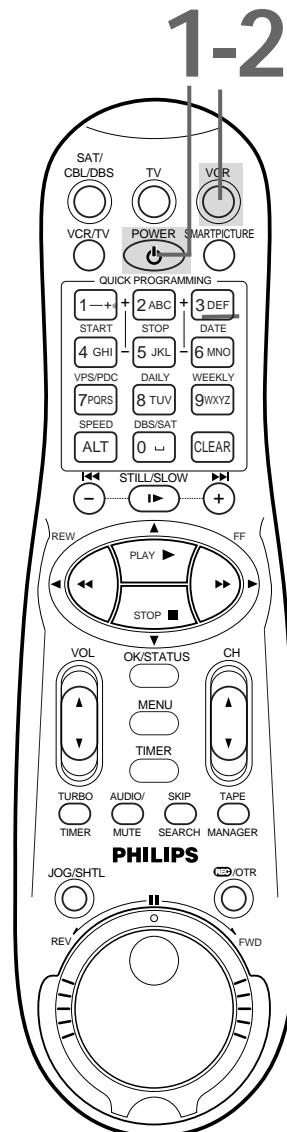
Helpful Hint
• *If you lose your remote control when Child Lock is on, contact Philips.*

If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to ON. Or, if you want to receive the weak signal, set BLUE BACKGROUND to OFF.
To set BLUE BACKGROUND to ON or OFF, follow these steps.
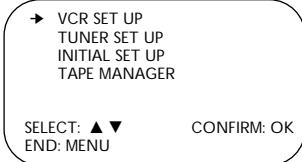
1

Press the VCR button, then press the MENU button.

```
➜  VCR SET UP
    TUNER SET UP
    INITIAL SET UP
    TAPE MANAGER


SELECT:  ▲ ▼          CONFIRM: OK
END: MENU
```

2

Press the PLAY ▲ or STOP ▼ button to select VCR SET UP, then press the OK/STATUS button.

```
➜  DSPC                      ON
    ON SCREEN MODE           ON
    BLUE BACKGROUND          ON
    TIMER REC SPEED          MANUAL
    VIDEO STABILIZER         OFF
    AUDIO OUT                HIFI
    NEXT PAGE
SELECT:  ▲▼              CHANGE: ►
END:  MENU
```

3
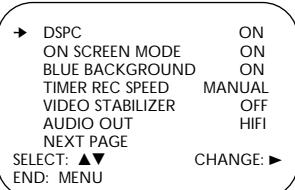
Press the STOP ▼ button repeatedly to select BLUE BACKGROUND on the first page of the VCR SET UP menu, then press the FF ► button repeatedly so that ON or OFF appears beside BLUE BACKGROUND.

```
    DSPC                      ON
    ON SCREEN MODE           ON
➜  BLUE BACKGROUND          ON
    TIMER REC SPEED          MANUAL
    VIDEO STABILIZER         OFF
    AUDIO OUT                HIFI
    NEXT PAGE
SELECT:  ▲▼              CHANGE: ►
END:  MENU
```

4
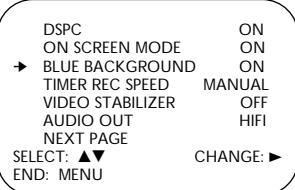
Press the MENU button.
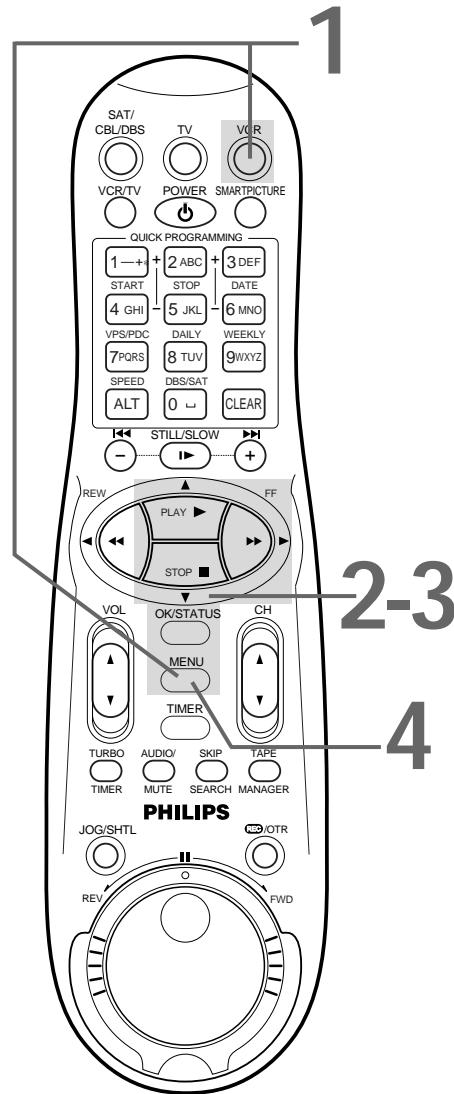
Automatic Playback
When you put a tape in the VCR, the power will come on automatically. If the tape's record tab is missing, playback will begin.
When you insert a tape, tape manager information may appear and the VCR may search for tape manager information. To avoid this brief delay, set TAPE MANAGER to OFF. *Details are on page 73.*

Automatic Rewind
When a tape is played, fast forwarded, or recorded to its end, the VCR will rewind the tape to the beginning, then stop. The VCR will not rewind the tape if the end of the tape is reached during a One-Touch Recording. *Details are on page 34.*

Memory Rewind, Power Off
When the POWER button is pressed while the VCR is rewinding a tape, REWIND→POWER OFF will appear on the screen. When the tape has finished rewinding, the VCR will stop, then turn itself off.

Tape Eject
A tape can be ejected with the VCR power on or off (but the VCR must be plugged in).
If a timer recording is programmed, the ⏲ and Cassette-Inside lights will flash on the VCR's display panel after you eject a tape with the VCR power turned off. Make sure you insert a tape for the timer recording.

Counter Reset
The real-time counter will reset to 0:00:00 when you insert a cassette. To reset the real-time counter to 0:00:00 at anytime, press the CLEAR button on the remote control.

Automatic Tracking Adjustment
The VCR continually adjusts tracking to give you the best possible picture quality. With some recordings, however, you may get a better picture by adjusting the tracking manually (see below).

Manual Tracking Adjustment
- *Press the CHANNEL ▲/▼ buttons on the front of the VCR or the CH(annel) ▲/▼ button on the remote control to remove jitter in a still picture.*
- *The CH(annel) ▲/▼ buttons on the remote control and the CHANNEL ▲/▼ buttons on the front of the VCR adjust tracking during normal tape playback and slow motion playback.*
- *To return to Automatic Tracking Adjustment during normal tape playback, press the CHANNEL ▲/▼ buttons **on the VCR at the same time.***
- *The VCR returns to Automatic Tracking Adjustment whenever a tape is inserted.*
- *If USE CLEANING CASSETTE appears on the screen or if "U:01" appears on the display panel, you may need to adjust the tracking. These messages may appear briefly every seven seconds during tape playback. The messages will appear until you adjust the tracking, reinsert the tape, or clean the video heads. Details are on page 79.*

Before Tracking Adjustment → **After Tracking Adjustment**
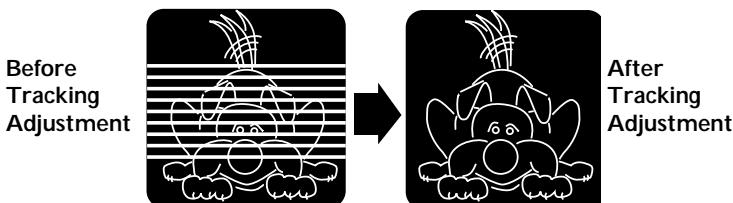
AUDIO IN/OUT Jacks: jacks located on the front and back of the VCR which are used to record audio from another source (IN) or to send audio to another system (OUT).

Automatic Channel Programming: process in which the VCR scans all available channels and places the ones you receive in its memory. Then, when you press the CH(annel) ▲/▼ button, you only scan through channels you receive.

Bands: settings that allow you to tune channels.
• **Antenna –** VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
• **Cable –** standard channels can be received without a Cable Box.

DBS: Direct Broadcast System.

DSPC: Digital Studio Picture Control.

Dubbing: copying a tape using a second VCR.

Frame: a single still picture.

HQ: high quality; a feature in the VCR circuitry which provides enhanced picture detail.

OTR: one-touch recording; a timed recording that starts immediately and records for 30 minutes to six hours, whichever you specify.

Remote Control: the unit that came with your VCR; allows you to operate your VCR from a distance. The remote control also may operate some features of your TV, Cable Box, or DBS.

RF coaxial cable: a cable supplied with your VCR. Use it to connect your VCR to your TV (or Cable Box/DBS, if applicable). The supplied cable is a snap-on type. However, you also may use a screw-on type if you prefer.

S-VHS: a recording format that provides finer quality with better resolution. Available on VCRs equipped with S-VHS only. (This is available on the VR1010BP only.)

S-VHS Expansion Technology: a feature that allows you to record with S-VHS format on VHS cassette tapes. (This is available on the VR1010BP only.)

S-VIDEO jack: Use S-Video connections instead of the standard RCA-style (yellow) video connections for better picture quality. (This is available on the VR1010BP only.)

Special Effects: forward and reverse searching; still picture; or slow motion picture.

Tape Speeds: how fast the tape travels during a recording or playback.
• **LP (long play) –** average tape speed (playback time for a T120 tape is approximately four hours); available for playback only. Although the VCR will play tapes recorded in LP, LP will not appear on the display panel or in the on-screen status display.
• **SLP (super long play) –** slowest tape speed (recording/playback time for a T120 tape is approximately six hours).
• **SP (standard play) –** fastest tape speed (recording/playback time for a T120 tape is approximately two hours); best picture quality.

VCR: video cassette recorder.

VIDEO IN/OUT Jacks: jacks located on the front and back of the VCR which are used to record video from another source (IN) or to send video to another system (OUT).

● ●

If you are having problems with your VCR, check the following list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

If you need to call a customer service representative, know the model number and serial number of your product before you call. This information is displayed on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representatives will gladly help you.

The VCR has no power.
• Make sure the power plug is completely connected to an AC (alternating current) outlet.
• Make sure the power is turned on.
• Turn off the Child Lock. *Details are on page 74.*

A power failure occurred.
• Select a language if prompted to do so. *Details are on page 20.* Reset the clock if necessary. *Details are on pages 14-18.* Timer recordings will be restored after the clock and channel settings are restored. If you are using the AUTO CLOCK feature, the time and timer recordings will be restored automatically after a power failure. *Details are on page 43.*

The VCR cannot be controlled with the remote control.
• Aim the remote control directly at the VCR's remote sensor. *Details are on page 22.*
• Remove all obstacles between the remote control and the VCR.
• Inspect and/or replace the batteries in the remote control. *Details are on page 5.*
• Press the VCR button, then try the other buttons.
• Turn off the Child Lock. *Details are on page 74.*

The VCR does not respond normally to the remote control. (For example, the VCR may change channels multiple times when you press the CH(annel) ▲ button once.)
• Install new batteries (preferably alkaline) in the remote control.

The VCR will not perform a timer recording.
• Make sure the recording start and stop times are set correctly. *Details are on pages 38-45.*
• Make sure there is a tape in the VCR. Make sure the tape has a record tab. *Details are on page 5.*
• Make sure the VCR power is off.
• Make sure the clock is set. *Details are on pages 14-18.*
• Finish programming a timer recording at least five minutes before the recording is scheduled to begin.
• If the VCR power is turned off for a timer recording and there isn't a tape in the VCR, the ⊙ and Cassette-Inside lights will blink on the display panel.
• If the record tab on a tape is missing and you turn off the VCR to set a timer recording, the VCR will eject the tape. The ⊙ and Cassette-Inside lights will blink on the display panel.
• Noon is 12 p.m.; midnight is 12 a.m.
• If you are using a Cable Box/DBS and are not using the Controller, enter the Cable Box/DBS output channel at step 3 on page 40, then select the channel to be recorded at the Cable Box/DBS. Leave the Cable Box/DBS on for the timer recording. *Details are on page 8.*
• Make sure no timer recordings overlap. *Details are on page 46.*
• Do not choose a DAILY recording if the program occurs on Saturday or Sunday. The recording will not occur, even though the VCR will accept the way you programmed the recording. *Details are on pages 39 and 42.*
• With ShowGuard, the VCR keeps your timer recordings, even if the power fails. However, the time and other menu settings may be lost if the power fails for more than three minutes. When the power is restored, the following will occur: The VCR will automatically restore the time setting if you are using AUTO CLOCK. Auto will flash on the display panel. When the time setting is restored, the current time will appear on the display panel. After the time setting is restored, each timer recording you have set will occur as programmed, unless the recording was to occur during the power outage.

Tape can't be inserted.
• Insert the tape window side up, with the record tab facing you.
• Make sure a tape isn't already in the VCR by pressing the STOP/EJECT button on the VCR.
• Gently push the center of the tape as you put it in the VCR. Never force a tape into the VCR.

Tape can't be removed.
• Make sure the power plug is completely connected to an AC (alternating current) outlet.

The motor (cylinder) rotates even when the VCR is in Stop mode.
• To enable the quick play mechanism, the cylinder will rotate for about five minutes. This is normal.
  The quick play mechanism enables the tape mechanism to switch from Stop mode to Play mode in one second.

There is no playback picture, or the playback picture is noisy or contains streaks.
• Make sure the TV is on the same channel as the VCR's CH3/CH4 switch. *Details are on pages 6-9.*
• Make sure the VCR is in VCR position. *Details are on pages 22 and 25.*
• Make sure channel 3 or 4 is properly adjusted at the TV.
• Adjust the tracking. *Details are on page 76.*

The Number buttons won't work for channels above 69; channels above 13 cannot be received.
• Select CABLE at the TUNER SET UP menu, then let the VCR set up the channels. *Details are on page 12.*

A TV program cannot be recorded.
• Check the connections between the VCR, TV, antenna/cable, and Cable Box/DBS (if applicable). *Details are on pages 6-9.*
• Make sure channels are programmed correctly. *Details are on pages 12-13.*
• Make sure the tape has a record tab. *Details are on page 5.*

TV programs cannot be watched normally.
• Put the VCR in TV position. *Details are on pages 22 and 25.*
• Check the connections between the VCR, TV, antenna/cable, and Cable Box/DBS (if applicable). *Details are on pages 6-9.*

Line Input mode is selected.
• If you accidentally enter Line Input mode (L-1 or L-F will appear on the display panel), use the CH(annel) ▲/▼ button or the Number buttons to select another channel. (A/V IN REAR or A/V IN FRONT will appear on the TV screen if BLUE BACKGROUND is set to ON. *Details are on page 75.*)

Multi-Channel Television Sound System
• You can only receive and record in stereo or second audio programs that are broadcast in stereo or second audio. You can only play in stereo or second audio tapes that were recorded in stereo or second audio. *Details are on pages 55-57.*
• If you select second audio when second audio is not available, the VCR will record normal audio.
• When you program your VCR to record in stereo, broadcasts are recorded in Hi-Fi stereo.
• You will only get stereo sound if you use audio cables to connect the AUDIO OUT Jacks on the VCR to the AUDIO IN Jacks on your TV. The TV must be in Line Input (or Auxiliary) mode. See your TV manual for details.
• When you connect the AUDIO OUT Jacks on your VCR to the AUDIO IN Jacks on your TV, the stereo light on the TV might not glow. This is normal. If the VCR indicates you are receiving a stereo broadcast, you are. (STEREO will appear in the status display.)

The VCR ejects the tape when the REC(ord)/OTR button is pressed or when the VCR power is turned off to set a timer recording.
• Make sure the tape has a record tab. *Details are on page 5.*

The remote control is not available or the remote control will not access the VCR's on-screen menu.
• Use the front panel buttons to access the menu. You cannot access the TIMER menu using the front panel buttons. *Details are on page 22.*

Cleaning the Video Heads
• Your VCR automatically cleans the video heads each time you insert a tape. However, the heads may become dirty. USE CLEANING CASSETTE may appear on the screen, and "U:01" will appear on the display panel. Or, a tape of poor quality may cause the messages to appear. These messages will appear briefly every eight seconds during tape playback. The messages will appear until you adjust the tracking, remove and reinsert the tape, or clean the heads. (BLUE BACKGROUND should be set to ON in order for the messages to appear on the screen.) Use a commercially-available head cleaner or have an authorized servicer clean the video heads. Eventually, the heads may need to be replaced. Only an authorized servicer should perform this service.

The playback picture is too dim, too bright, or fluctuates in brightness.
• Some programs may be broadcast with copyright protection technology in order to protect the rights of copyright owners. This technology is used on programs that are recorded on video tapes or Digital Video Discs (DVDs), as well as some programs broadcast by antenna/cable/satellite television channels. Programs broadcast with copyright protection technology may not record clearly. Likewise, if you play a tape that is a recording of a copyright protected program, the picture may not be clear. Tapes of copyright protected programs may have a picture that is dark or dim, or the brightness of the picture may fluctuate. Therefore, you should avoid recording or playing copies of copyright protected programs.

This VCR incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation and is intended for home and limited viewing uses only, unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

80 Limited Warranty

∙∙∙

VIDEO CASSETTE RECORDER or PLAYER
90 days Free Exchange / 91 days–One Year Reduced-Cost Exchange

WHO IS COVERED?
You must have proof of the date of purchase to exchange your product. A sales receipt or other document showing the date that you purchased the product is considered such proof.

WHAT IS COVERED?
Warranty coverage begins the day you buy your product. *For 90 days thereafter,* you may exchange the defective product for a new product at the store from which it was purchased or through Philips. This exchange is made at no cost to you. *From 91 days to one year from the date of purchase,* you must follow the exchange procedures set out on the next page. For an exchange during this warranty period you must pay $29.95 (plus sales tax) for a new or renewed product. This reduced-cost exchange ends one year after the date of purchase.

The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires.

WHAT IS EXCLUDED?
Your warranty does not cover:
- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics.
- reception problems caused by signal conditions or cable or antenna systems outside the product.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- damage caused by the use of non-VHS tapes or tapes that have not been tested and labeled for use in two, four, six, and eight hour VHS recorders.
- a product that is used for commercial or institutional purposes (including but not limited to rental purposes).

WHERE IS EXCHANGE AVAILABLE?
Warranty exchange is available in all countries where the product is officially distributed by Philips Consumer Electronics. In countries where Philips Consumer Electronics does not distribute the product, the local Philips service organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available.

MAKE SURE YOU KEEP...
Please keep your sales receipt or other document showing proof of date of purchase. Attach it to the owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE EXCHANGING THE PRODUCT...
Please check your owner's manual before exchanging the product. Adjustments of the controls discussed there may save you time and money.

TO EXCHANGE YOUR PRODUCT IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...
Follow the instructions stated previously in the "What is Covered" section, or refer to the exchange instructions on the next page.

In the U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. Because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.

TO EXCHANGE A PRODUCT IN CANADA...
Please contact Philips at:
> 1-800-661-6162 (French Speaking)
> 1-800-363-7278 (English Speaking)

In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental, or consequential damages, howsoever incurred, even if notified of the possibility of such damages.

TO GET OUT-OF-WARRANTY EXCHANGE...
In the U.S.A., Puerto Rico, or U.S. Virgin Islands, contact Philips Service Solutions Group at 1-800-531-0039 to obtain the cost of out-of-warranty exchange.

REMEMBER...
Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL #_____

SERIAL #_____

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

Philips Service Solutions Group, P.O. Box 2976, Longview, Texas 75606, (903) 242-4800

EXCHANGE INSTRUCTIONS

If your product is defective, you may be able to exchange it at the store from which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange a product with them. After the store's return period has expired, you may exchange the product with Philips if you have your original sales receipt.

To exchange your product with Philips (per the warranty conditions stated previously), remember:
- If you exchange the product within 90 days of the original purchase, there is no cost to you.
- If you exchange the product more than 90 days after but less than one year after the day of original purchase, your cost will be $29.95 plus sales tax.
- After 12 months from the day of original purchase, contact Philips Service Solutions Group at 1-800-531-0039 for information regarding out-of-warranty exchange.
- If you do not have your original sales receipt, or if you have any questions, call Philips Service Solutions Group at 1-800-531-0039.

To obtain a replacement product from Philips:
1. Complete the Exchange Form below.
2. Pack the product and its accessories (remote control, rf coaxial cable, owner's manual, and car battery cord, if applicable) in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call 1-800-531-0039.
3. Put the completed Exchange Form, a copy of the original sales receipt, and the proper payment in an envelope. Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope in the box with the product.
4. Seal the box with packing tape and return the product via United Parcel Service (UPS), insured and freight pre-paid, to:

> Philips Consumer Electronics
> El Paso Recovery Center
> Suite A, 12375 Pine Springs Drive
> El Paso, Texas 79927

A replacement will be sent to you via UPS within 48 business hours of Philips' receipt of the product.

EXCHANGE FORM

Your Address (street address to which replacement should be delivered, no P.O. boxes allowed):

Name:

Street Address: Apt. #:

City: State: Zip Code:

Phone (day):   Phone (night):

Payment Amount: _____
Method of Payment: (Check one. Please, no cash or CODs.)
_____   Check or money order

		Account number	Expiration date
_____	American Express	_____	_____
_____	Visa	_____	_____
_____	Novus/Discover	_____	_____
_____	Mastercard	_____	_____

Signature: _____

Detailed reason for return, use additional paper if necessary: _____

_____

Remember, the return box should include the following:
- **The product,**
- **Completed Exchange Form and sales receipt,**
- **Accessories supplied with the product, and**
- **Payment, if applicable.**

82 Specifications

Video Heads
Four video heads with two Hi-Fi stereo heads

Video Signal
EIA standards; NTSC color

Antenna
VHF/UHF – 75 ohm external antenna terminal

VHF Output Signal
Channel 3 or 4 (switchable)
75 ohms unbalanced

Power Requirement
120V AC; 60 Hz

Power Consumption
27 W (for VR1010BP)
20 W (for VR810BPH)

Operating Temperature
41°F (5°C) to 104°F (40°C)

Relative Humidity
10% to 80%

Weight
10.3 lbs. (4.7 kg.)

Dimensions
(435 mm x 94 mm x 343 mm)

Tuner Broadcast Channels
VHF: 2-13
UHF: 14-69

Cable TV Channels
1-125

NOTE: Designs and specifications are subject to change without notice.

SUPPLIED ACCESSORIES

The following items are supplied with your VCR; they are provided to help you use or set up your VCR.
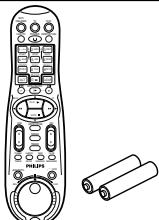
Remote Control 4835 218 37295
Two AA Batteries 4835 138 17012
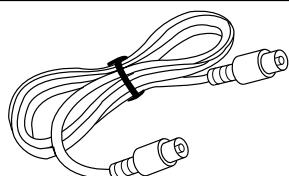
RF Coaxial Cable, 75 ohm
4835 321 27302
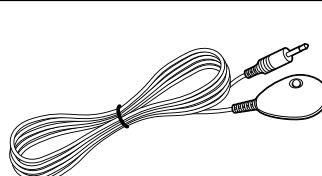
Controller
4835 321 27434
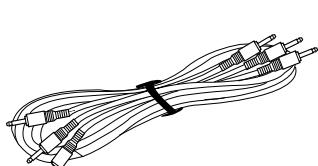
(VR1010BP only)
Audio/Video Cable
4835 321 27445
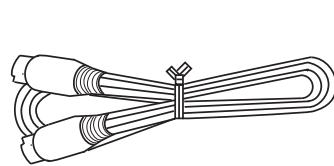
(VR1010BP only)
S-Video Cable
4835 321 27441

OPTIONAL ACCESSORIES

The following additional items are not provided with your VCR, but they are designed for use with your new VCR. To order these optional accessories, contact us at:

Philips Parts & Accessories Marketing Department
401 East Old Andrew Johnson Highway
P.O. Box 555
Jefferson City, TN 37760
1-800-292-6066.

VHS Cassette Rewinder
#M61117
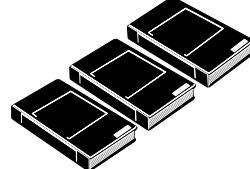
Three Cassette Storage Cases (plastic)
Fits VHS and Beta cassettes
#M61104

This owner's manual is made of recyclable materials.
Remember to recycle!

As an ENERGY STAR® Partner, Philips Consumer Electronics Company has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered mark.